

SEARCH REQUEST FORM

Requestor's
Name: _____

Serial
Number: _____

Date: _____

Phone: _____

Art Unit: _____

Search Topic:

Please write a detailed statement of search topic. Describe specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples or relevant citations, authors, keywords, etc., if known. For sequences, please attach a copy of the sequence. You may include a copy of the broadest and/or most relevant claim(s).

STAFF USE ONLY

Date completed: 2/23

Searcher: D. Schuepfer 272-2526

Terminal time: 29

Elapsed time: 19

CPU time: _____

Total time: _____

Number of Searches: _____

Number of Databases: _____

Search Site

_____ STIC

_____ CM-T *Rems. EOI*

_____ Pre-S *Abi*

Type of Search

_____ N.A. Sequence

17 A.A. Sequence

_____ Structure

_____ Bibliographic

Vendors

✓ IG *Genet*

_____ STN

_____ Dialog

_____ APS

_____ Geninfo

_____ SDC

_____ DARC/Questel

✓ Other *Genet*

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114932

Schreiber, David

From: Pak, Michael
Sent: Friday, February 20, 2004 11:22 AM
To: Schreiber, David
Cc: Yu, Misook
Subject: FW: 09/499,662

Dear David,

Please search the multiple sequence search request set forth below. The serial number in the original request is incorrect. Please note change to the serial number.

Mike Pak

-----Original Message-----

From: Yu, Misook
Sent: Friday, February 20, 2004 11:14 AM
To: Pak, Michael
Subject: RE: 09/499,662

Sorry, it is **09/499,662**

Examiner Misook Yu, Ph.D.
571-272-0839 (Phone)
Art Unit 1642
REM-3A18 (Room)
REM-3C18 (Mail Box)

-----Original Message-----

From: Pak, Michael
Sent: Friday, February 20, 2004 10:48 AM
To: Yu, Misook
Subject: RE: 09/499,663

The serial number doesn't look right.

Mike Pak
Michael Pak
USPTO
Art Unit 1646
Room: Remsen 4E75
Mailbox: Remsen 4C70
571-272-0879

-----Original Message-----

From: Yu, Misook
Sent: Friday, February 20, 2004 10:26 AM
To: Pak, Michael
Cc: Schreiber, David
Subject: 09/499,663

Plse approve search for more than 10 sequences and forward it to David Schreiber. thank you.

For David, pls do interference search only for

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1. SEQ ID NO:2-(X, 14 aa)-SEQ ID NO:3-(X, 32 aa)-SEQ ID NO:4 (these seq ids are all small peptides).

2. SEQ ID NO:5-(x, 15 aa)-SEQ ID NO:6-(x, 32 aa)-SEQ ID NO:7 (these seq ids are all small peptides).

3. SEQ ID NOs 50, 52, 54, 89, 107, 109, 117, 127, 129, 131, 143, 145, 147, 157 (These are either 238 aa or 470 aa).

4. SEQ ID NO:1 (10 aa)

Examiner Misook Yu, Ph.D.
571-272-0839 (Phone)
Art Unit 1642
REM-3A18 (Room)
REM-3C18 (Mail Box)

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Query Match      100.0%; Score 238; 5b 12; 16b 23; 25b 31; 32b 31; 33b 31; 34b 31; 35b 31; 36b 31; 37b 31; 38b 31; 39b 31; 40b 31; 41b 31; 42b 31; 43b 31; 44b 31; 45b 31; 46b 31; 47b 31; 48b 31; 49b 31; 50b 31; 51b 31; 52b 31; 53b 31; 54b 31; 55b 31; 56b 31; 57b 31; 58b 31; 59b 31; 60b 31; 61b 31; 62b 31; 63b 31; 64b 31; 65b 31; 66b 31; 67b 31; 68b 31; 69b 31; 70b 31; 71b 31; 72b 31; 73b 31; 74b 31; 75b 31; 76b 31; 77b 31; 78b 31; 79b 31; 80b 31; 81b 31; 82b 31; 83b 31; 84b 31; 85b 31; 86b 31; 87b 31; 88b 31; 89b 31; 90b 31; 91b 31; 92b 31; 93b 31; 94b 31; 95b 31; 96b 31; 97b 31; 98b 31; 99b 31; 100b 31; 101b 31; 102b 31; 103b 31; 104b 31; 105b 31; 106b 31; 107b 31; 108b 31; 109b 31; 110b 31; 111b 31; 112b 31; 113b 31; 114b 31; 115b 31; 116b 31; 117b 31; 118b 31; 119b 31; 120b 31; 121b 31; 122b 31; 123b 31; 124b 31; 125b 31; 126b 31; 127b 31; 128b 31; 129b 31; 130b 31; 131b 31; 132b 31; 133b 31; 134b 31; 135b 31; 136b 31; 137b 31; 138b 31; 139b 31; 140b 31; 141b 31; 142b 31; 143b 31; 144b 31; 145b 31; 146b 31; 147b 31; 148b 31; 149b 31; 150b 31; 151b 31; 152b 31; 153b 31; 154b 31; 155b 31; 156b 31; 157b 31; 158b 31; 159b 31; 160b 31; 161b 31; 162b 31; 163b 31; 164b 31; 165b 31; 166b 31; 167b 31; 168b 31; 169b 31; 170b 31; 171b 31; 172b 31; 173b 31; 174b 31; 175b 31; 176b 31; 177b 31; 178b 31; 179b 31; 180b 31; 181b 31; 182b 31; 183b 31; 184b 31; 185b 31; 186b 31; 187b 31; 188b 31; 189b 31; 190b 31; 191b 31; 192b 31; 193b 31; 194b 31; 195b 31; 196b 31; 197b 31; 198b 31; 199b 31; 200b 31; 201b 31; 202b 31; 203b 31; 204b 31; 205b 31; 206b 31; 207b 31; 208b 31; 209b 31; 210b 31; 211b 31; 212b 31; 213b 31; 214b 31; 215b 31; 216b 31; 217b 31; 218b 31; 219b 31; 220b 31; 221b 31; 222b 31; 223b 31; 224b 31; 225b 31; 226b 31; 227b 31; 228b 31; 229b 31; 230b 31; 231b 31; 232b 31; 233b 31; 234b 31; 235b 31; 236b 31; 237b 31; 238b 31; 239b 31; 240b 31; 241b 31; 242b 31; 243b 31; 244b 31; 245b 31; 246b 31; 247b 31; 248b 31; 249b 31; 250b 31; 251b 31; 252b 31; 253b 31; 254b 31; 255b 31; 256b 31; 257b 31; 258b 31; 259b 31; 260b 31; 261b 31; 262b 31; 263b 31; 264b 31; 265b 31; 266b 31; 267b 31; 268b 31; 269b 31; 270b 31; 271b 31; 272b 31; 273b 31; 274b 31; 275b 31; 276b 31; 277b 31; 278b 31; 279b 31; 280b 31; 281b 31; 282b 31; 283b 31; 284b 31; 285b 31; 286b 31; 287b 31; 288b 31; 289b 31; 290b 31; 291b 31; 292b 31; 293b 31; 294b 31; 295b 31; 296b 31; 297b 31; 298b 31; 299b 31; 300b 31; 301b 31; 302b 31; 303b 31; 304b 31; 305b 31; 306b 31; 307b 31; 308b 31; 309b 31; 310b 31; 311b 31; 312b 31; 313b 31; 314b 31; 315b 31; 316b 31; 317b 31; 318b 31; 319b 31; 320b 31; 321b 31; 322b 31; 323b 31; 324b 31; 325b 31; 326b 31; 327b 31; 328b 31; 329b 31; 330b 31; 331b 31; 332b 31; 333b 31; 334b 31; 335b 31; 336b 31; 337b 31; 338b 31; 339b 31; 340b 31; 341b 31; 342b 31; 343b 31; 344b 31; 345b 31; 346b 31; 347b 31; 348b 31; 349b 31; 350b 31; 351b 31; 352b 31; 353b 31; 354b 31; 355b 31; 356b 31; 357b 31; 358b 31; 359b 31; 360b 31; 361b 31; 362b 31; 363b 31; 364b 31; 365b 31; 366b 31; 367b 31; 368b 31; 369b 31; 370b 31; 371b 31; 372b 31; 373b 31; 374b 31; 375b 31; 376b 31; 377b 31; 378b 31; 379b 31; 380b 31; 381b 31; 382b 31; 383b 31; 384b 31; 385b 31; 386b 31; 387b 31; 388b 31; 389b 31; 390b 31; 391b 31; 392b 31; 393b 31; 394b 31; 395b 31; 396b 31; 397b 31; 398b 31; 399b 31; 400b 31; 401b 31; 402b 31; 403b 31; 404b 31; 405b 31; 406b 31; 407b 31; 408b 31; 409b 31; 410b 31; 411b 31; 412b 31; 413b 31; 414b 31; 415b 31; 416b 31; 417b 31; 418b 31; 419b 31; 420b 31; 421b 31; 422b 31; 423b 31; 424b 31; 425b 31; 426b 31; 427b 31; 428b 31; 429b 31; 430b 31; 431b 31; 432b 31; 433b 31; 434b 31; 435b 31; 436b 31; 437b 31; 438b 31; 439b 31; 440b 31; 441b 31; 442b 31; 443b 31; 444b 31; 445b 31; 446b 31; 447b 31; 448b 31; 449b 31; 450b 31; 451b 31; 452b 31; 453b 31; 454b 31; 455b 31; 456b 31; 457b 31; 458b 31; 459b 31; 460b 31; 461b 31; 462b 31; 463b 31; 464b 31; 465b 31; 466b 31; 467b 31; 468b 31; 469b 31; 470b 31; 471b 31; 472b 31; 473b 31; 474b 31; 475b 31; 476b 31; 477b 31; 478b 31; 479b 31; 480b 31; 481b 31; 482b 31; 483b 31; 484b 31; 485b 31; 486b 31; 487b 31; 488b 31; 489b 31;
```

RESULT 2
US-10-384-933-50
Sequence 50, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Toru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126C1P/HG
CURRENT APPLICATION NUMBER: US/10/384, 933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499, 662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 50
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
US-10-384-933-50
OTHER INFORMATION: chain of humanized anti-Fas antibody

Query Match	100.0%;	Score 238;	DB 12;	Length 238;
Best Local Similarity	27.9%;	Pred. No. 1.6e-05;		
Matches 31;	Conservative 80;	Mismatches 0;	Indels 0;	Gaps 0;

[illegible]

RESULT 3
US-10-384-933-52
; Sequence 52, Application US/10384933
; Publication No. US20030170817A1

```

1  APPLICANT: Serizawa, No. US20030170817A1ufusa
2  APPLICANT: Haruyama, Hideyuki
3  APPLICANT: Nakahara, Kaori
4  APPLICANT: Tamaki, Ikuko
5  APPLICANT: Takahashi, Toru
6  TITLE OF INVENTION: Anti-Pas Antibodies
7  FILE REFERENCE: 980126CIP/HG
8  CURRENT APPLICATION NUMBER: US/10/384,933
9  CURRENT FILING DATE: 2003-02-05
10 PRIOR APPLICATION NUMBER: US/09/499,662
11 PRIOR FILING DATE: 2000-02-09
12 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
13 PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
14 NUMBER OF SEQ ID NOS: 165
15 SEQ ID NO 52
16 LENGTH: 238
17 TYPE: PRT
18 ORGANISM: Artificial Sequence
19 FEATURE:
20 OTHER INFORMATION: Description of Artificial Sequence: Designed light
21 OTHER INFORMATION: chain of humanized anti-Pas antibody
22 US-10-384-933-52

```

Query Match	100.0%;	Score 238;	DB 12;	Length 238;
Best Local Similarity	27.9%;	Pred. No. 1.6e-05;		
Matches	31;	Conservative	80;	Mismatches 0;
			Indels	0;
			Gaps	0;

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QY 1 XXXXXXXXXXXXXXXXXXXXXXXKASQSDYDSDSYNNXXXXXXXXXXXXXXXXXAAANLES 60
Db 21 DIVLTGPGTSLSPGERATLSCAKSQSDVDDSDSYNNWYNQKRCQAPLLIIYAASNLES 80
QY 61 XXXXXXXXXXXXXXXXXXXXXXXXSNSNDPRTXXXXXXX 111
Db 81 GIPRFSGSGSGCDFLLIHPVEEEDNATYYCQSNEDPRFTFGQTRLEIK 131
```

RESULT 4
US-10-384-933-54
Sensitivity 54 Analysis for ITG/10384933

```

1 Publication No. US20030170817A1
2
3 GENERAL INFORMATION:
4
5 APPLICANT: Serizawa, NO. US20030170817A1ufusa
6
7 APPLICANT: Haruyama, Hideyuki
8
9 APPLICANT: Nakahara, Kaori
10
11 APPLICANT: Tamaki, Ikuko
12
13 APPLICANT: Takahashi, Toru
14
15 TITLE OF INVENTION: Anti-Fas Antibodies
16
17 FILE REFERENCE: 980126C1P/HG
18
19 CURRENT APPLICATION NUMBER: US/10/384,933
20
21 CURRENT FILING DATE: 2003-02-05
22
23 PRIOR APPLICATION NUMBER: US/09/499,662
24
25 PRIOR FILING DATE: 2000-02-09
26
27 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
28
29 PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
30
31 NUMBER OF SEQ ID NOS: 165
32
33 SEQ ID NO 54

```

SEQ ID NO 54
LENGTH: 238

```

; OTHER INFORMATION: Description of Artificial Sequence: Designed light
;
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-54

```

Query Match	100.0%;	Score 238;	DB 12;	Length 238;
Best Local Similarity	27.9%;	Pred. No. 1.6e-05;		
Matches	31;	Conservative	80;	Mismatches 0;
			Indels	0;
			Gaps	0;

```

QY 1 XXXXXXXXXXXXXXXXXXXXXXXKASQSDYDQSDSTPMXXXXXXXXXXXXXXXXXASNLNS 6
Db 21 DVLTPSGFSLSPGRATLSCASQSDYDQSDSTPMNMTQQAPGPPKULLIYASNLNS 800
QY 61 XXXXXXXXXXXXXXXXXXXXXXXQSNEDPRTXXXXXXXXXXXX 111
Db 81 GIPRFSGSSGDTFLTIHPVEEADATYYCQSNEDPRTFCQGRLEIK 131

```

RESULT 5
US-10-384-933-107
: Sequence 107, Application US/10384933

GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikko
APPLICANT: Takahashi, Toku
TITLE OF INVENTION: Anti-Pas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIORITY APPLICATION NUMBER: US/09/499,662
PRIORITY FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165

```

; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence

```


fusion2.rapp

[illegible]

```

RESULT 13
US-10-216-484-54
Sequence 54, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Yamaki, Ikuko
APPLICANT: Takahashi, Tokuo
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126C1P/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIORITY APPLICATION NUMBER: US/09/499,662
PRIORITY FILING DATE: 2000-02-09
PRIORITY APPLICATION NUMBER: US/09/053,583
PRIORITY FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 54
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
chain of humanized anti-Fas antibody
US-10-216-484-54
Query Match 100.0%; Score 238; DB 15; Length 238;
Best Local Similarity 27.9%; Pred. No. 1,6e-05; Indels 0; Gaps 0
Matches 31; Conservative 0; Mismatches 0
OY 1 XXXXXXXXXXXXXXXXXXXXXXXXKASQSYVDGDSYNNXXXXXXXXXXXXXXXXXASNTLES 60
DB 21 DYLVTQSPTLSTSPGRATLTSCASQSVYDSDSYNNMYCQKPCQPKLLITYASNTLES 80
OY 61 XXXXXXXXXXXXXXXXXXXXXXXXQSNSEDPRTXXXXXXXXXXXX 111
DB 81 GIPDRFGSGSGITPFLTHTHPVEEDATYYCQSNEDPRTGCGTRLEIK 131
RESULT 14
US-10-216-484-107
Sequence 107, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tokuo
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126C1P/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIORITY APPLICATION NUMBER: US/09/499,662
PRIORITY FILING DATE: 2000-02-09
PRIORITY APPLICATION NUMBER: US/09/053,583
PRIORITY FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 107
LENGTH: 238
TYPE: PRT

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```

? ORGANISM: Artificial Sequence
? FEATURE INFORMATION: Description of Artificial Sequence: Designed light
? OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-107
Query Match: 100.0%; Score 238; DB 15; Length 238;
Beat Local Similarity 27.9%; Pred No 1.6e-05; Indels 0; Gaps 0
Matches 31; Conservative 80; Mismatches 0;
XXXXXXXXXXSOSVDGDSGYNNXXXXXXXXXXXXXXXXXXXXXNNNTS 60

```

[illegible]

Search completed: February 20, 2004, 13:32:13
Job time : 31.7773 secs

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OM protein - protein search, using sw model

OM protein - protein search, using -
February 20, 2004, 13:23:07 ; Search time 30.2227 Seconds
Run on: (without alignments)
755.149 Million cell updates/sec

```

Title:          FUSION1
Perfect score:  275
Sequence:       1 XXXXXXXXXXXXXXXXXXXXSY.....YSNMTFVDVXXXXXXXXXXXX 109

```

Scoring table: BLOSUM62DX
Gapop 10.0 , Gapext 0.5

Searched: 801455
Chosen parameters: 801455

DB seg length: 0

Maximum DB Beq Length

Post-processing:	Maximum Match 100%
------------------	--------------------

Listing first 45 buildings

```
Database :
1: /cgn2_6/prodata/1/pubpaa/000_1/pubnaa/PCT_NEW_PUB.pep:*
```

```

1:  published Applications: Ar: /US07_PUBCONM: dep: *
2:  /cgn2_6/pdataa/1/pubpa/US07_PUBCONM: dep: *
3:  /cgn2_6/pdataa/1/pubpa/US06_PUBCONM: dep: *
4:  /cgn2_6/pdataa/1/pubpa/US05_PUBCONM: dep: *
5:  /cgn2_6/pdataa/1/pubpa/US04_PUBCONM: dep: *
6:  /cgn2_6/pdataa/1/pubpa/US03_PUBCONM: dep: *
7:  /cgn2_6/pdataa/1/pubpa/US02_PUBCONM: dep: *
8:  /cgn2_6/pdataa/1/pubpa/US01_PUBCONM: dep: *
9:  /cgn2_6/pdataa/1/pubpa/US00_PUBCONM: dep: *
10: /cgn2_6/pdataa/1/pubpa/US00_PUBCONM: dep: *
11: /cgn2_6/pdataa/1/pubpa/US00_PUBCONM: dep: *
12: /cgn2_6/pdataa/1/pubpa/US00_PUBCONM: dep: *
13: /cgn2_6/pdataa/1/pubpa/US00_PUBCONM: dep: *
14: /cgn2_6/pdataa/1/pubpa/US00_PUBCONM: dep: *
15: /cgn2_6/pdataa/1/pubpa/US00_PUBCONM: dep: *
16: /cgn2_6/pdataa/1/pubpa/US00_PUBCONM: dep: *
17: /cgn2_6/pdataa/1/pubpa/US00_PUBCONM: dep: *
18: /cgn2_6/pdataa/1/pubpa/US00_PUBCONM: dep: *

```

18: Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

SUMMARIES

Result	Score	Query Match	Length	DB	ID	Description
No						
1	275	100.0	145	12	US-10-384-933-75	Sequence 75, Appl
2	275	100.0	145	15	US-10-216-484-75	Sequence 75, Appl
3	275	100.0	145	15	US-10-384-933-89	Sequence 9, Appl
4	275	100.0	464	12	US-10-216-484-9	Sequence 9, Appl
5	275	100.0	464	15	US-10-384-933-89	Sequence 89, Appl
6	275	100.0	470	12	US-10-384-933-117	Sequence 117, Appl
7	275	100.0	470	12	US-10-384-933-143	Sequence 143, Appl
8	275	100.0	470	12	US-10-384-933-145	Sequence 145, Appl
9	275	100.0	470	12	US-10-384-933-147	Sequence 147, Appl
10	275	100.0	470	12	US-10-384-933-157	Sequence 157, Appl
11	275	100.0	470	15	US-10-216-484-89	Sequence 89, Appl
12	275	100.0	470	15	US-10-216-484-117	Sequence 117, Appl
13	275	100.0	470	15	US-10-216-484-143	Sequence 143, Appl
14	275	100.0	470	15	US-10-216-484-145	Sequence 145, Appl
15	275	100.0	470	15	US-10-216-484-147	Sequence 147, Appl

16	275	100.0	470	15	US-10-216-484-157
17	187.5	68.2	120	15	US-10-096-246-12
18	183	66.5	140	9	US-09-748-960-4
19	183	66.5	180	9	US-09-748-960-6
20	178	64.7	117	11	US-09-726-258-48
21	178	64.7	117	11	US-09-726-258-49
22	177.5	64.5	120	10	US-09-144-886-55
23	177	64.4	120	12	US-10-366-709-35
24	177	64.4	120	12	US-10-366-709-39
25	177	64.4	121	12	US-10-366-709-41
26	177	64.4	121	12	US-10-366-709-42
27	177	64.4	121	12	US-10-366-709-48
28	177	64.4	140	12	US-10-366-709-50
29	176.5	64.2	140	12	US-10-366-709-57
30	176.5	64.2	135	11	US-09-726-258-37
31	176.5	64.2	142	16	US-09-726-258-48A-18
32	176.5	64.2	253	11	US-09-726-258-44
33	176.5	64.2	253	11	US-09-726-258-52
34	176.5	64.2	253	11	US-09-726-258-55
35	176.5	64.2	256	11	US-09-726-258-70
36	176.5	64.2	258	11	US-09-726-258-60
37	176.5	64.2	258	11	US-09-726-258-71
38	173.5	63.1	122	8	US-08-779-784-28
39	172	62.5	140	11	US-09-928-928-6
40	172	62.5	140	11	US-10-238-861-6
41	171.5	62.4	140	15	US-10-096-964-6
42	170.5	62.0	248	11	US-09-880-748-48
43	170.5	62.0	266	12	US-10-053-530-11
44	170.5	62.0	266	15	US-10-207-655-11
45	170.5	62.0	422	15	US-10-053-530-34
					Sequence 34, Appl
					Sequence 28, Appl
					Sequence 6, Appl
					Sequence 11, Appl
					Sequence 6, Appl
					Sequence 16, Appl
					Sequence 15, App
					Sequence 12, Appl
					Sequence 4, Appl
					Sequence 48, Appl
					Sequence 49, Appl
					Sequence 55, Appl
					Sequence 35, Appl
					Sequence 39, Appl
					Sequence 41, Appl
					Sequence 42, Appl
					Sequence 48, Appl
					Sequence 50, Appl
					Sequence 37, Appl
					Sequence 19, Appl
					Sequence 44, Appl
					Sequence 52, Appl
					Sequence 55, Appl
					Sequence 50, Appl
					Sequence 60, Appl
					Sequence 71, Appl
					Sequence 28, Appl
					Sequence 6, Appl
					Sequence 11, Appl
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					Sequence 15, App
					Sequence 12, Appl
					Sequence 4, Appl
					Sequence 48, Appl
					Sequence 49, Appl
					Sequence 55, Appl
					Sequence 35, Appl
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					Sequence 41, Appl
					Sequence 42, Appl
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					Sequence 50, Appl
					Sequence 37, Appl
					Sequence 19, Appl
					Sequence 44, Appl
					Sequence 52, Appl
					Sequence 55, Appl
					Sequence 50, Appl
					Sequence 60, Appl
					Sequence 71, Appl
					Sequence 28, Appl
					Sequence 6, Appl
					Sequence 11, Appl
					Sequence 6, Appl
					Sequence 16, Appl
					Sequence 15, App
					Sequence 12, Appl
					Sequence 4, Appl
					Sequence 48, Appl
					Sequence 49, Appl
					Sequence 55, Appl
					Sequence 35, Appl
					Sequence 39, Appl
					Sequence 41, Appl
					Sequence 42, Appl
					Sequence 48, Appl
					Sequence 50, Appl
					Sequence 37, Appl
					Sequence 19, Appl
					Sequence 44, Appl
					Sequence 52, Appl
					Sequence 55, Appl
					Sequence 50, Appl
					Sequence 60, Appl
					Sequence 71, Appl
					Sequence 28, Appl
					Sequence 6, Appl
					Sequence 11, Appl
					Sequence 6, Appl
					Sequence 16, Appl
					Sequence 15, App
					Sequence 12, Appl
					Sequence 4, Appl
					Sequence 48, Appl
					Sequence 49, Appl
					Sequence 55, Appl
					Sequence 35, Appl
					Sequence 39, Appl
					Sequence 41, Appl
					Sequence 42, Appl
					Sequence 48, Appl
					Sequence 50, Appl
					Sequence 37, Appl
					Sequence 19, Appl
					Sequence 44, Appl
					Sequence 52, Appl
					Sequence 55, Appl
					Sequence 50, Appl
					Sequence 60, Appl
					Sequence 71, Appl
					Sequence 28, Appl
					Sequence 6, Appl
					Sequence 11, Appl
					Sequence 6, Appl
					Sequence 16, Appl
					Sequence 15, App
					Sequence 12, Appl
					Sequence 4, Appl
					Sequence 48, Appl
					Sequence 49, Appl
					Sequence 55, Appl
					Sequence 35, Appl
					Sequence 39, Appl
					Sequence 41, Appl
					Sequence 42, Appl
					Sequence 48, Appl
					Sequence 50, Appl
					Sequence 37, Appl
					Sequence 19, Appl
					Sequence 44, Appl
					Sequence 52, Appl
					Sequence 55, Appl
					Sequence 50, Appl
					Sequence 60, Appl
					Sequence 71, Appl
					Sequence 28, Appl
					Sequence 6, Appl
					Sequence 11, Appl
					Sequence 6, Appl
					Sequence 16, Appl
					Sequence 15, App
					Sequence 12, Appl
					Sequence 4, Appl
					Sequence 48, Appl
					Sequence 49, Appl
					Sequence 55, Appl
					Sequence 35, Appl
					Sequence 39, Appl
					Sequence 41, Appl
					Sequence 42, Appl
					Sequence 48, Appl
					Sequence 50, Appl
					Sequence 37, Appl
					Sequence 19, Appl
					Sequence 44, Appl
					Sequence 52, Appl
					Sequence 55, Appl
					Sequence 50, Appl
					Sequence 60, Appl
					Sequence 71, Appl
					Sequence 28, Appl
					Sequence 6, Appl
					Sequence 11, Appl
					Sequence 6, Appl
					Sequence 16, Appl
					Sequence 15, App
					Sequence 12, Appl
					Sequence 4, Appl
					Sequence 48, Appl
					Sequence 49, Appl
					Sequence 55, Appl
					Sequence 35, Appl
					Sequence 39, Appl
					Sequence 41, Appl
					Sequence 42, Appl
					Sequence 48, Appl
					Sequence 50, Appl
					Sequence 37, Appl
					Sequence 19, Appl
					Sequence 44, Appl
					Sequence 52, Appl
					Sequence 55, Appl
					Sequence 50, Appl
					Sequence 60, Appl
					Sequence 71, Appl
					Sequence 28, Appl
					Sequence 6, Appl
					Sequence 11, Appl
					Sequence 6, Appl
					Sequence 16, Appl
					Sequence 15, App
					Sequence 12, Appl
					Sequence 4, Appl
					Sequence 48, Appl
					Sequence 49, Appl
					Sequence 55, Appl
					Sequence 35, Appl
					Sequence 39, Appl
					Sequence 41, Appl
					Sequence 42, Appl
					Sequence 48, Appl
					Sequence 50, Appl
					Sequence 37, Appl
					Sequence 19, Appl
					Sequence 44, Appl
					Sequence 52, Appl
					Sequence 55, Appl
					Sequence 50, Appl
					Sequence 60, Appl
					Sequence 71, Appl
					Sequence 28, Appl
					Sequence 6, Appl
					Sequence 11, Appl
					Sequence 6, Appl
					Sequence 16, Appl
					Sequence 15, App
					Sequence 12, Appl
					Sequence 4, Appl
					Sequence 48, Appl
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					Sequence 55, Appl
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					Sequence 42, Appl
					Sequence 48, Appl
					Sequence 50, Appl
					Sequence 37, Appl
					Sequence 19, Appl
					Sequence 44, Appl
					Sequence 52, Appl
					Sequence 55, Appl
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					Sequence 60, Appl
					Sequence 71, Appl
					Sequence 28, Appl
					Sequence 6, Appl
					Sequence 11, Appl
					Sequence 6, Appl
					Sequence 16, Appl
					Sequence 15, App
					Sequence 12, Appl
					Sequence 4, Appl
					Sequence 48, Appl
					Sequence 49, Appl
					Sequence 55, Appl
					Sequence 35, Appl
					Sequence 39, Appl
					Sequence 41, Appl
					Sequence 42, Appl
					Sequence 48, Appl
					Sequence 50, Appl
					Sequence 37, Appl
					Sequence 19, Appl
					Sequence 44, Appl
					Sequence 52, Appl
					Sequence 55, Appl
					Sequence 50, Appl
					Sequence 60, Appl
					Sequence 71, Appl
					Sequence 28, Appl
					Sequence 6, Appl
					Sequence 11, Appl
					Sequence 6, Appl
					Sequence 16, Appl
					Sequence 15, App
					Sequence 12, Appl
					Sequence 4, Appl
					Sequence 48, Appl
					Sequence 49, Appl
					Sequence 55, Appl
					Sequence 35, Appl
					Sequence 39, Appl
					Sequence 41, Appl
					Sequence 42, Appl
					Sequence 48, Appl
					Sequence 50, Appl
					Sequence 37, Appl
					Sequence 19, Appl
					Sequence 44, Appl
					Sequence 52, Appl
					Sequence 55, Appl
					Sequence 50, Appl
					Sequence 60, Appl
					Sequence 71, Appl
					Sequence 28, Appl
					Sequence 6, Appl
					Sequence 11, Appl
					Sequence 6, Appl
					Sequence 16, Appl
					Sequence 15, App
					Sequence 12, Appl
					Sequence 4, Appl
					Sequence 48, Appl
					Sequence 49, Appl
					Sequence 55, Appl
					Sequence 35, Appl
					Sequence 39, Appl
					Sequence 41, Appl
					Sequence 42, Appl
					Sequence 48, Appl
					Sequence 50, Appl
					Sequence 37, Appl
					Sequence 19, Appl
					Sequence 44, Appl
					Sequence 52, Appl
					Sequence 55, Appl
					Sequence 50, Appl
					Sequence 60, Appl</

ALIGNMENTS

RESULT 1
TTC-10-384-933-75
TTC-10384933

Sequence 75, Application No. US20030170817A1

GENERAL INFORMATION: No. US20030170817A1ufusa

APPLICANT: Haryama, Hiroe
Kaori

APPLICANT: Tamaki, Ikuko
APPLICANT:

APPLICANT: Idanum, Inc.
TITLE OF INVENTION: Anti-Fas Antibodies

FILE REFERENCE: 980128CII/...
; FILE REFERENCE NUMBER: US/10/384,933

FILED: 2003-02-02
CURRENT FILING DATE: US/09/499,662
PUBLICATION NUMBER: 2003-02-02

PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,000

PRIOR APPLICATION: EARLIER FILING DATE: 1990 0 1 1
PRIOR FILING DATE: EARLIER FILING DATE: 1990 0 1 1

NUMBER OF SEQ ID NOS: 100

LENGTH: 145

ORGANISM: Artificial Sequence

FEATURE:	Description of all other
OTHER INFORMATION:	4 of the heavy chain of humanized anti-human

OTHER INFORMATION: Fas antibody
OTHER INFORMATION: Fas antibody

US-10-384-933-75

Query Match	100.0%	Pred. No. 5.2e-10	Indels 0	Gaps 0
31.2%				

Best Locust 75; Conservative
Matches 34; Conservative

.....VFINDPSNYTNNOKFKGXXXXXX 60

[illegible]

32 KPGASVKVSCKASGYTFTSYWMQWVKQAEQGLLENHCL

DZ
C7 XXXXXXXXXXXXXXXXNRDYSNNMYFDVXXXXXXXXXX

```

; TYPE: PRT
; ORGANISM: Artificial Sequence
FEATURES:

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Query Match	100.0%;	Score 275;	DB 12;	Length 464
Best Local Similarity	31.2%;	Pred. No. 3.1e-08;		

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; PRIOR FILING DATE: 2000-02-09 ;
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583 ;
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01 ;
; NUMBER OF SEQ ID NOS: 165 ;
; SEQ ID NO 143 ;
; LENGTH: 470 ;
; TYPE: PRT ;
; ORGANISM: Artificial Sequence ;
FEATURES:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
US-10-384-933-143
Query Match          100.0%; Score 275; DB 12; Length 470;
Best Local Similarity 31.2%; Pred. No. 3.3e-08; Indels 0; Gaps 0;
Matches 34; Conservative 75; Mismatches 0;

1 XXXXXXXXXXXXXXXXXSYMMQXXXXXXXXXXXXXXXXXIDPSDSTYNNOKFGKXXXXX 60
   :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX:
32 KPGASVVSCKAGSYFTSYMMQWVKOAPGGGLEMGHIDSDSYTNNOKFKGKATLV 91
   :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX:
QY 61 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX:
   :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX:
DB 92 DTSTSTAVMELSLSEDTAVYYCAHRNDYSNNWFVDWGCGTLVTYSS 140
   :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX:

RESULT 8
US-10-384-933-145
; Sequence 145, Application US/10384933
; Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufuaa
APPLICANT: Hanyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OR INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
PRIOR FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 145
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURES:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-145
Query Match          100.0%; Score 275; DB 12; Length 470;
Best Local Similarity 31.2%; Pred. No. 3.3e-08; Indels 0; Gaps 0;
Matches 34; Conservative 75; Mismatches 0;

1 XXXXXXXXXXXXXXXXXSYMMQXXXXXXXXXXXXXXXXXIDPSDSTYNNOKFGKXXXXX 60
   :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX:
DB 32 KPGASVVSCKAGSYFTSYMMQWVKOAPGGGLEMGHIDPSDSTYNNOKFKGKATLV 91
   :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX:
QY 61 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX:
   :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX:
DB 92 DTSTSTAVMELSLSEDTAVYYCAHRNDYSNNWFVDWGCGTLVTYSS 140
   :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX:

RESULT 9
US-10-384-933-147
; Sequence 147, Application US/10384933
; Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa

```

```

1  APPLICANT:  Haruyama, Hiideyuki
2  APPLICANT:  Nakahara, Kaori
3  APPLICANT:  Tamaki, Ikuo
4  APPLICANT:  Takahashi, Tokuo
5  TITLE OF INVENTION: Anti-Pas Antibodies
6  FILE REFERENCE: 980126C1P/HG
7  CURRENT APPLICATION NUMBER: US/10/384,933
8  CURRENT FILING DATE: 2003-02-05
9  PRIOR APPLICATION NUMBER: US/09/499,662
10 PRIOR FILING DATE: 2000-02-09
11 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
12 PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
13 NUMBER OF SEQ ID NOS: 165
14 SEQ ID NO 147
15     LENGTH: 470
16     TYPE: PRT
17     ORGANISM: Artificial Sequence
18     FEATURE:
19     OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
20     OTHER INFORMATION: chain of humanized anti-Pas antibody
21  US-10-384-933-147

```

Query Match	100.0%;	Score 275;	DB 12;	Length 470;
Best Local Similarity	31.2%;	Pred. No. 3.3e-08;		
Matches 34;	Conservative 75;	Mismatches 0;	Indels 0;	Gaps 0;

[illegible]

```

0y 61 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX 109
    :::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::
Db 92 DTSTAMELSSLRESDTAVVYCARNDYSNNMYFDVWGQGLVTSS 140

```

RESULT 10
US-10-384-933-157
; Sequence 157, Application US/10384933
; Publication No. US20030170817A1
***** INFORMATION *****

1 APPLICANT: Serizawa, No. US20030170817A1ufusa
 2 APPLICANT: Haruyama, Hideyuki
 3 APPLICANT: Nakahara, Kaori
 4 APPLICANT: Tamaki, Ikuko
 5 APPLICANT: Takahashi, Yohru
 6 TITLE OF INVENTION: Anti-Pas Antibodies
 7 FILE REFERENCE: 980126CIP/HG
 8 CURRENT APPLICATION NUMBER: US/10/384,933
 9 CURRENT FILING DATE: 2003-02-05
 10 PRIOR APPLICATION NUMBER: US/09/499,662
 11 PRIOR FILING DATE: 2000-02-09
 12 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
 13 PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
 14 NUMBER OF SEQ ID NOS: 165

```

? LENGTH: 470
? TYPE: PR1
? ORGANISM: Artificial Sequence
? FEATURES:
? OTHER INFORMATION: Description of Artificial Sequence: Designed
? OTHER INFORMATION: heavy chain of humanized anti-Fas antibody
? US-10-384-933-157

```

```
Query Match      100.0%; Score 275; DB 12; Length 470;
Best Local Similarity 31.2%; Pred. No. 3.3e-08;
Matches 34; Conservative 75; Mismatches 0; Indels 0; Gaps 0;
```

```
0y      1 xxxxxxxxxxxxxxxxSYMOMXXXXXXXXXXXXXIEDPSDSTYNNOQFKGXXXXXX 60
        ::::::::::::::|:::|||||:::
Db     32 KPGASIKVSCRASGYTFTSYMMQAVRQAQGGLEMNGEIDPDSYSTNNYNOQFKGRVTITR 90
```

```

61  XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX 109
    ::::::::::::::::::::::::::::::|::::::::::::|:::::::::::::

```

Db 92 DTSTSTAYMELSSLRSEDTA VYCARNRDYSNNWYFDVWGEGLVT VSS 140

RESULT 11
US-10-216-484-89
; Sequence 89, Application US/10216484
; Publication No. US20030103976A1

APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki

;
;
;
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru

```

; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,4

```

```

; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09

```

```

; PRIOR APPLICATION NUMBER: US 0
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165

```

```

; SEQ ID NO 89
; LENGTH: 470
; TYPE: PRT
;
ORIGIN

```

```

; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Pas antibody
US-10-216-484-89

```

Query Match	100.0%	Score 275;	DB 15,	Length 470;
Best Local Similarity	31.2%;	Pred. No. 3.3e-08;		
Matches 34;	Conservative 75;	Mismatches 0;	Indels 0;	Gaps 0

```

Qy      1 XXXXXXXXXXXXXXXXXXXXXSYNQXXXXXXXXXXXXXXXXXEDPSDSTNNQKFKGXXXXXX 60
          ::::::::::::::|::::::::::|::::::::::|::::::::::|::::::::::|
Db      32 KPGASVKSCKRSGYFTTSYNNQWVKQAPGQRLBWMGEIDPSDSTNNQKFKGKATLTIV 91

```

```
QY      61 XXXXXXXXXXXXXXXXXXNRDYSNNWTFDVVXXXXXXXXXXXXX 109
```

:::|||||:::

```
DB      92 DTSASTAYMELSLRSEDYAVYYCARNDYSNWWYFDVWGEGTLVTSS 140
```

RESULT 12
US-10-216-484-117
; Sequence 117, Application US/10216484
; Publication No. US20030103976A1

APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki

;
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
;

```

; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,4

```

; CURRENT FILING DATE: 2002-08-09
 ; PRIOR APPLICATION NUMBER: US/09/499,662
 ; PRIOR FILING DATE: 2000-02-09

```

; PRIOR APPLICATION NUMBER: US 0
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165

```

```

; SEQ ID NO 117
; LENGTH: 470
; TYPE: PRT
;

```

```

FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
OTHER INFORMATION: chain of humanized anti-Fas antibody

```

Query Match	100.0%;	Score 275;	DB 15;	Length 470;
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; SEQ ID NO 145

US-10-216-484-147
Quorum Match

Search completed: February 20, 2004, 13:32:12
Job time : 31.2227 secs

THIS PAGE BLANK (USPTO)

Mon Feb 23 07:54:28 2004

fusion1.rat

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: February 20, 2004, 13:18:51 ; Search time 14.3682 seconds
(without alignments)
320.979 Million cell updates/secTitle: FUSION1
Perfect score: 1 XXXXXXXXXXXXXXXXXXXXXXXX 109Scoring table: BLOSUM62DX
Gapop 10.0, Gapext 0.5Searched: 328717 seqs, 42310858 residues
Total number of hits satisfying chosen parameters: 328717Minimum DB seq length: 0
Maximum DB seq length: 200000000Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summariesDatabase :
1: /cgn2_6/ptodata/1/1aa/5A.COMB.pep.*
2: /cgn2_6/ptodata/1/1aa/6A.COMB.pep.*
3: /cgn2_6/ptodata/1/1aa/6B.COMB.pep.*
4: /cgn2_6/ptodata/1/1aa/6C.COMB.pep.*
5: /cgn2_6/ptodata/1/1aa/6D.COMB.pep.*
6: /cgn2_6/ptodata/1/1aa/6E.COMB.pep.*Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	204	74.2	119	2	US-08-553-497A-8
2	204	74.2	119	2	US-08-553-497A-12
3	187.5	68.0	120	4	US-10-092-246-12
4	187	68.0	111	3	US-08-881-037-14
5	187	68.0	111	3	US-08-881-037-16
6	187	68.0	111	3	US-08-881-037-61
7	187	68.0	119	3	US-08-881-037-62
8	186.5	67.8	241	1	US-08-881-037-11
9	186.5	67.8	241	1	US-08-465-473B-11
10	186.5	67.8	637	2	US-08-235-838-16
11	186.5	67.8	637	2	US-08-465-473B-16
12	182	66.2	111	3	US-08-881-037-17
13	182	66.2	111	3	US-08-881-037-63
14	180	65.5	111	3	US-08-881-037-60
15	180	65.5	119	3	US-08-881-037-60
16	179	65.1	119	4	US-09-406-532-2
17	178	64.7	117	3	US-09-027-449-48
18	178	64.7	117	3	US-09-027-449-49
19	178	64.7	117	3	US-08-804-444A-48
20	178	64.7	117	3	US-08-804-444A-49
21	178	64.7	117	3	US-09-026-985-48
22	178	64.7	117	3	US-09-026-985-49
23	178	64.7	117	4	US-09-121-952A-48
24	178	64.7	117	4	US-09-121-952A-49
25	178	64.7	117	4	US-09-234-340A-48
26	178	64.7	117	4	US-09-234-340A-49
27	177	64.4	98	3	US-08-881-037-59

28	176.5	64.2	135	1	US-08-398-612A-50	Sequence 50, Appl
29	176.5	64.2	135	1	US-08-398-612A-50	Sequence 50, Appl
30	176.5	64.2	135	1	US-08-398-612A-50	Sequence 50, Appl
31	176.5	64.2	135	3	US-08-491-334A-50	Sequence 37, Appl
32	176.5	64.2	135	3	US-09-027-449-37	Sequence 37, Appl
33	176.5	64.2	135	3	US-08-804-444A-37	Sequence 37, Appl
34	176.5	64.2	135	3	US-09-026-985-37	Sequence 37, Appl
35	176.5	64.2	135	3	US-09-121-952A-37	Sequence 37, Appl
36	176.5	64.2	135	4	US-09-234-340A-37	Sequence 58, Appl
37	176.5	64.2	253	1	US-08-398-612A-58	Sequence 58, Appl
38	176.5	64.2	253	1	US-08-398-612A-58	Sequence 58, Appl
39	176.5	64.2	253	2	US-08-491-334A-58	Sequence 58, Appl
40	176.5	64.2	253	2	US-09-027-449-58	Sequence 58, Appl
41	176.5	64.2	253	3	US-09-027-449-52	Sequence 52, Appl
42	176.5	64.2	253	3	US-09-027-449-55	Sequence 55, Appl
43	176.5	64.2	253	3	US-08-804-444A-54	Sequence 44, Appl
44	176.5	64.2	253	3	US-08-804-444A-52	Sequence 52, Appl

ALIGNMENTS

RESULT 1
US-08-553-497A-8
Sequence 8, Application US/08553497A
Patent No. 5844093
GENERAL INFORMATION:
APPLICANT: KETTERBOROUGH, C. A.
APPLICANT: BENDIG, MARY M.
APPLICANT: ANGELL, KEITH H.
APPLICANT: GUSSON, DETLEF
APPLICANT: ADAM, JAMES
APPLICANT: MITCHELL, FRANCES
APPLICANT: ROSELL, ELISABETH
APPLICANT: BLASCO, FRANCESC
APPLICANT: PULIATS, JAMES
TITLE OF INVENTION: ANTI-EGFR SINGLE-CHAIN FVS AND ANTI-EGFR
TITLE OF INVENTION: ANTIBODIES
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSER: MILLEN, WHITE, ZELANO & BRANNIGAN, P.C.
STREET: 2200 CLARENDON BLVD. SUITE 1400
CITY: ARLINGTON
STATE: VA
COUNTRY: US
ZIP: 22201
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Parentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/553,497A
FILING DATE: 17-NOV-1995
CLASSIFICATION: 530
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: WO PCT/EP95/00978
FILING DATE: 16-MAR-1995
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: EP 94104160.0
FILING DATE: 17-MAR-1994
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: EP 94118970.6
FILING DATE: 02-DEC-1994
ATTORNEY/AGENT INFORMATION:
NAME: HAMLET-KING, DIANA
REGISTRATION NUMBER: 33,302
REFERENCE/DOCKET NUMBER: MERCK 1726
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-243-6333
TELEFAX: 703-243-6410
INFORMATION FOR SEQ ID NO: 8:

US-08-881-037-14

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/881,037
FILING DATE: 23-JUN-1997
CLASSIFICATION: 530
PRIOR APPLICATION DATA: US 08/443,540
FILING DATE: 18-MAY-1995
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Konaki, Antoinette P.
REGISTRATION NUMBER: 34,202
REFERENCE/DOCKET NUMBER: 203442110710
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 813-5600
TELEFAX: (650) 494-0792
TELEX: 344444
INFORMATION FOR SEO ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 111 amino acids
TYPE: amino acid
STRANDEDNESS: bingle
TOPOLOGY: linear

Score 187; DB 3; Length 111;

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Query Match          68.0%; Score      No. 9e-05;   4; Gaps    1  
Best Local Similarity 21.1%; Pred.     Mismatches    6; Indels    1  
Matches            23; Conservative       76;  
  
Oy  
Db             DbsXXXXXXXXXXXXXSYMMWXXXKXXXXXXXXXXEIDPDSYTYNNOKFKGAXXXXX 64  
              1 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX:  
                .....|.....  
              5 KRGASVKSCKSGAGTFTSYMHWVKORPGGLMEICELDPSPSXYVNQFFKKATLTV        64  
                .....|.....  
Cy             61 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXNYSNNMYFEDVYXXXXXXXXXXXXX 109  
               :.....:.....~LRIFANDYMGGCTSVTV 109  
Dd             65 DKSSSTAYMOLSLTSBDSAIVYYCANGR-----
```

RESULT 5
US-08-881-037-16
Sequence 16, Application US/08881037
Patent No. 6080588
GENERAL INFORMATION:
APPLICANT: Gluck, Gary D.
APPLICANT: Swanson, Patrick C.
TITLE OF INVENTION: DNA BINDING ANTIBODIES
NUMBER OF SEQUENCES: 113
CORRESPONDENCE ADDRESS:
ADDRESSEE: Morrison & Foerster
STREET: 755 Page Mill Road
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/881,037
FILING DATE: 23-JUN-1997
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/443,540
FILING DATE: 18-MAY-1995
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Konisk, Antoinette F.
REGISTRATION NUMBER: 34,202
REFERENCE/DOCKET NUMBER: 203442110710
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 813-6500
TELEFAX: (650) 494-0792

[illegible][illegible]


```

CITY: Summit
STATE: New Jersey
COUNTRY: USA
ZIP: 07901-6940

COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/465, 473B
FILING DATE: 5 June 1995
CLASSIFICATION: 435
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 07/828, 932
FILING DATE: 31-JAN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 91-810079.3
FILING DATE: 05-SEP-1991
ATTORNEY/AGENT INFORMATION:
NAME: Pfeiffer, Heena J.
REGISTRATION NUMBER: 22, 640
REFERENCE/DOCKET NUMBER: 4-18518/A/CIP/CONT2
TELEPHONE: (908)522 6940
TELEFAX: (908)522 6955
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 241 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-465-473B-11

Query Match          67.8%; Score 186.5; DB 2; Length 241;
Best Local Similarity 20.2%; Pred. No 0.0015; Gaps 1
Matches 22; Conservative 10; Indels 1;

QY      1 XXXXXXXXXXXXXXXXXXXXXSYMMOXXXXXXXXXXXXXXXXXXXXEIDPSDSTYNOKFKGXXXXX 60
        :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
DB      14 RPTSVLSCKASDTFTSYNNWVWKRPQGSLWTGMIDPSDSLTQNGWFCKAALTV 73
        :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
QY      61 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX 109
        :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
DB      74 KKSNTAYMQLSLSIEDSAVYYCKAG-GAGDWYFDWGQGLTVAVS 121
        :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

RESULT 10
US-08-235-838-16
Sequence 16, Application US/08235838
Patent No. 5571894
GENERAL INFORMATION:
APPLICANT: Wels, Winfried S.
APPLICANT: Hynes, Nancy B.
APPLICANT: Harwerth, Ina-Maria
APPLICANT: Groner, Bernd
APPLICANT: Hardman, No. 5571894man
APPLICANT: Zwickl, Markus
TITLE OF INVENTION: Recombinant Antibodies Specific for a
TITLE OF INVENTION: Growth Factor Receptor
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSER: CIBA-GEIGY Corporation
STREET: 7 Skyline Drive
CITY: Hawthorne
STATE: New York
COUNTRY: USA
ZIP: 10532
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
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CURRENT APPLICATION DATA: US/08/235,838
APPLICATION NUMBER: US
CLASSIFICATION: 435
FILING DATE: TBA
PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: US 07/828,832
FILING DATE: 31-JAN-1992
PRIOR APPLICATION DATA: GB 91-810079.3
APPLICATION NUMBER:
ATTORNEY/AGENT INFORMATION:
NAME: Elmer, James Scott
REGISTRATION NUMBER: 36,129
REFERENCE/DOCKET NUMBER: 4-18518/A/CIF/CONT
TELECOMMUNICATION INFORMATION:
TELEPHONE: (919)541-8614
TELEFAX: (919)541-8689
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 637 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-235-838-16

Query Match      67.8%; Score 186.5; DB 1; Length 637;
Best Local Similarity 20.2%; Pred. No. 0.045; Indels 1; Gaps 1
Matches 22; Conservative 76; Mismatches 10;

QY 1 XXXXXXXXXXXXXXXXXXXXXNMQXXXXXXXXXXXXXXXXXXXXXKIDPSDSVTYNOKFKGXXXXXX
   :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
DB 45 RFGSVSLCKASDVFYFTSYMMWVAKRPGGLWMIGMIDPDSBETQYONWFQKALIV 104
QY 61 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
   :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
DB 105 DKSNTATMQLSILTSRSDSAVVYCAKG-GASGDWTFDWGGCTYTTVAS 152

RESULT 11
US-08-465-473B-16
Sequence 16, Application US/08465473B
Patent No. 5939531
GENERAL INFORMATION:
APPLICANT: Wells, Winfried S.
APPLICANT: Hynes, Nancy B.
APPLICANT: Harwerth, Ina-Maria
APPLICANT: Groner, Bernd
APPLICANT: Hardman, No. 5939531man
APPLICANT: Zwickl, Markus
TITLE OF INVENTION: Recombinant Antibodies Specific for a
TITLE OF INVENTION: Growth Factor Receptor
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESSES: NOVARTIS Corporation
STREET: 564 Morris Avenue
CITY: Summit
STATE: New Jersey
COUNTRY: USA
ZIP: 07901-6940
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/465,473B
FILING DATE: 5 June 1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA: US 07/828,832
APPLICATION NUMBER:
FILING DATE: 31-JAN-1992
PRIOR APPLICATION DATA: GB 91-810079.3
APPLICATION NUMBER:

```

```

1      FILING DATE: 05-FEB-1991
2      ATTORNEY/AGENT INFORMATION:
3      NAME: Pfeiffer, Heena J.
4      REGISTRATION NUMBER: 22,640
5      REFERENCE/DOCKET NUMBER: 4-18518/A/CIP/CONT2
6      TELECOMMUNICATION INFORMATION:
7      TELEPHONE: (908)522 6940
8      TELEFAX: (908)522 6955
9      INFORMATION FOR SEQ. ID NO.: 16:
10     SEQUENCE CHARACTERISTICS:
11     LENGTH: 637 amino acids
12     TYPE: amino acid
13     TOPOLOGY: linear
14     MOLECULE TYPE: protein
15     US-08-465-473B-16

```

Query Match	67.8%	Score	186.5	DB	2	Length	637
Best Local Similarity	20.2%	Pred.	No. 0.045				
Matches	22	Conservative	76	Mismatches	10	Indels	1
						Gaps	1

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Oy      1 xxxxxxxxxxxxxxxxxSYMqxxxxxxxxxxxxxxEIDSDSYTNNQKFGXXXXXX 60
         ::::::::::::::||| ::::::::::::::||| ||| |:::
Db      45 RFGTSVKLSCASDYLFTSYNNANNVQRPGGLIEWIGIDPSSETQNQMFDKALTV 104
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Qy      61  XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX 109
          ::::::::::::::::::::::: ||| ::::::::::::::
Db      105  DKSNTAYMQLSLTSESAVYYCAKG-GASGDWFEFDMVGQGTIVTSS 152
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RESULT 12
US-08-881-037-17

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1      COUNTRY:  USA
2      ZIP:  94304-1018
3
4      COMPUTER READABLE FORM:
5
6      MEDIUM TYPE:  Floppy disk
7
8      COMPUTER:  IBM PC compatible
9
10     OPERATING SYSTEM:  PC-DOS/MS-DOS
11
12     SOFTWARE:  PatentIn Release #1.0, Version #1.3
13
14     CURRENT APPLICATION DATA:

```

? APPLICATION NUMBER: US 08/881,034
 ? FILING DATE: 23-JUN-1997
 ? CLASSIFICATION: 530
 ? PRIOR APPLICATION DATA:
 ? APPLICATION NUMBER: US 08/443,540
 ? FILING DATE: 18-MAY-1995
 ? CLASSIFICATION: 530

ATTORNEY/AGENT INFORMATION:
NAME: Konaki, Antoinette P.
REGISTRATION NUMBER: 34,202
REFERENCE/DOCKET NUMBER: 203442110710
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 813-5600
TELEFAX: (650) 494-0792

TELEX:
INFORMATION FOR SEQ ID NO: 17:

SEQUENCE CHARACTERISTICS:
LENGTH: 111 amino acids

```

; amino acid
;
; STRANDEDNESS: single
;

```

TOPLOGY:
US-08-881-037-17

Query Match	66.2%	Score 182;	DB 3;	Length 111;
Best Local Similarity	20.2%	Pred. No. 0.00021;		
Matches	22;	Conservative	76;	Mismatches 7;
				Indels 4;
				Gaps 1;

[illegible]

RESULT 13
US-08-881-037-63

```

; Sequence 63, Application US/08881037
; Patent No. 6080588
; GENERAL INFORMATION:

```

APPLICANT: Glick, Gary D.
APPLICANT: Swanson, Patrick C.
TITLE OF INVENTION: DNA BINDING ANTIBODIES
NUMBER OF SEQUENCES: 113
CORRESPONDENCE ADDRESS:

ADDRESSEE: Morrison & Foerster
STREET: 755 Page Mill Road
CITY: Palo Alto
STATE: CA

ZIP: 94304-1018
COMPUTER READABLE FORM

```

;
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:

```

APPLICATION NUMBER: US/08/881,037
FILING DATE: 23-JUN-1997
CLASSIFICATION: 530
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08-067475, 51
 FILING DATE: 18-MAY-1995
 CLASSIFICATION: 530
 ATTORNEY/AGENT INFORMATION:
 NAME: Konksi, Antoinette F.

NAME: NOLAN, ALLOCINETTE F.
REGISTRATION NUMBER: 34,202
REFERENCE/DOCKET NUMBER: 203442110710
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 813-5600

```

; TELRFX: (650) 494-0792
;
; TELEX:
;
; INFORMATION FOR SEQ ID NO: 63
;
; SEQUENCE CHARACTERISTICS:
;
; LENGTH: 119 amino acids

```

LENGTH: 113 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-881-037-63

Query Match	66.2%;	Score 182;	DB 3;	Length 119;
Best Local Similarity	20.2%;	Pred. No. 0.00027;		
Matches	22;	Conservative	76;	Mismatches 7;
				Indels 4;
				Gaps 1

```
QY      1 xxxxxxxxxxxxxxxxxxxxxxxxSYMNOXXXXXXXXXXXXXIEDPSDYNNOKFKGXXXXXX 60
        .....|||.....
Db     13 KPGSAVLTSCASGAYFTFRYMHWVQRPOGLBWIIGIDPDSSTYYNOKFKFGKATLTV 72
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```
QY 61 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX 109
      ::::::::::::::::::::::::::::::|::::::::::::
Db 73 DKSSTAYMQLSLTSEDSAVYYCAKGR---LRFFAMDYMGGTSVTV 117
```

RESULT 14

```

US-08-861-037-15
: Sequence 15, Application US/08881037
: Patent No. 6080586
: GENERAL INFORMATION:
: APPLICANT: Glick, Gary D.
: APPLICANT: Swanson, Patrick C.
: TITLE OF INVENTION: DNA BINDING ANTIBODIES
: NUMBER OF SEQUENCES: 113
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Morrison & Foerster
: STREET: 755 Page Mill Road
: CITY: Palo Alto
: STATE: CA
: COUNTRY: USA
: ZIP: 94304-1018
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/861,037
: FILING DATE: 23-JUN-1997
: CLASSIFICATION: 530
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/443,540
: FILING DATE: 18-MAY-1995
: CLASSIFICATION: 530
: ATTORNEY/AGENT INFORMATION:
: NAME: Konekl, Antoinette F.
: REGISTRATION NUMBER: 34,202
: REFERENCE/DOCKET NUMBER: 203442110710
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (650) 813-5600
: TELEFAX: (650) 494-0792
: TELEX:
: INFORMATION FOR SEQ ID NO: 15:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 111 amino acids
: TYPE: amino acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: US-08-861-037-15

Query Match          65.5%; Score 180; DB 3; Length 111;
Best Local Similarity 19.3%; Pred. No. 0.00029;
Matches 21; Conservative 78; Mismatches 6; Indels 4; Gaps 1

OY 1 XXXXXXXXXXXXXXXXXXXXXSYMNQXXXXXXXXXXXXXXXXXETIDPSDTNTNOKRXXXXXX 60
   :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Db 5 KPGASVSKSCRASGYTFTSYWIMHWKQPGQGLIEWIGETIDPSDNTTYYNQKFGKATLV 64
   :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
OY 61 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXNDYSNNWFEDVYXXXXXXXXXXXX 109
   :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Db 65 DKSSSTAYQLSLTSEDSAVYAKGR---LRYFADYWGRTSVTV 109
   :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

RESULT 15
US-08-861-037-60
: Sequence 60, Application US/08881037
: Patent No. 6080586
: GENERAL INFORMATION:
: APPLICANT: Glick, Gary D.
: APPLICANT: Swanson, Patrick C.
: TITLE OF INVENTION: DNA BINDING ANTIBODIES
: NUMBER OF SEQUENCES: 113
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Morrison & Foerster
: STREET: 755 Page Mill Road
: CITY: Palo Alto
: STATE: CA
: COUNTRY: USA
: ZIP: 94304-1018

```

```

1 COMPUTER READABLE FORM:
2 MEDIUM TYPE: Floppy disk
3 COMPUTER: IBM PC compatible
4 OPERATING SYSTEM: PC-DOS/MS-DOS
5 SOFTWARE: Patent In Release #1.0, Version #1.30
6 CURRENT APPLICATION DATA:
7 APPLICATION NUMBER: US/08/881,037
8 FILING DATE: 23-JUN-1997
9 CLASSIFICATION: 530
10 PRIOR APPLICATION DATA:
11 APPLICATION NUMBER: US 08/443,540
12 FILING DATE: 18-MAY-1995
13 CLASSIFICATION: 530
14 ATTORNEY/AGENT INFORMATION:
15 NAME: Konishi, Antoinette F.
16 REGISTRATION NUMBER: 34,202
17 REFERENCE/DOCKET NUMBER: 203442110710
18 TELECOMMUNICATION INFORMATION:
19 TELEPHONE: (650) 813-5600
20 TELEFAX: (650) 494-0792
21 TELEX:
22 INFORMATION FOR SEQ ID NO: 60:
23 SEQUENCE CHARACTERISTICS:
24 LENGTH: 119 amino acids
25 TYPE: amino acid
26 STRANDEDNESS: single
27 TOPOLOGY: linear
28
29 US-08-881-037-60

```

	Query Match	Similarity	65.5%	Score 180;	DB 3;	Length 119;
	Best Local	Similarity	19.3%;	Pred. No. 0.00037;	Mismatches	Conservative
	Matches		21;	Conservative	6;	Indels 4; Gaps 1
Qy	1	XXXXXXXXXXXXXXXXXXXXXXSYNQXXXXXXXXXXXXXXXXXXXXXEXEIDPDSYTYNNOKFKGXXXXXX	60			
		: :				
Dd	13	KPGASVKSCKASGITFTSYIMHWKQPPGGGLENIIGSIDPSDNTYYNNOKFKGATILTV	72			
Qy	61	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXNNDYNNWTFDYXXXXXXXXXXXXX	109			
		: :				
Dd	73	DKSSSTAMQLSLTSDSNAVITYCAKGR---LRYFAMDYNGRGISVTIV	117			

Search completed: February 20, 2004, 13:24:29
Job time : 14.3682 secs

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Mon Feb 23 07:54:29 2004

fusion2.rat

Page 1

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: February 20, 2004, 13:18:51 ; Search time 14.6318 Seconds
(without alignments)
320.979 Million cell updates/sec

Title: FUSION2

Perfect score: 238
Sequence: 1 XXXXXXXXXXXXXXXXXXXXXXXX.XXXXXXXXXXXXXXXXXXXXXX 111

Scoring table: BLOSUM62DX
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :
1: /cgm2_6/ptodata/1/1aa/5A COMB.pep.*
2: /cgm2_6/ptodata/1/1aa/5B COMB.pep.*
3: /cgm2_6/ptodata/1/1aa/6A COMB.pep.*
4: /cgm2_6/ptodata/1/1aa/6B COMB.pep.*
5: /cgm2_6/ptodata/1/1aa/PCFUS COMB.pep.*
6: /cgm2_6/ptodata/1/1aa/backfile1.pep.*

Pred. No. is the number of results predicted by chance a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	231	97.1	111	2 US-08-483-636-73	Sequence 73, Appl
2	231	97.1	111	2 US-08-483-636-73	Sequence 73, Appl
3	231	97.1	131	2 US-08-483-636-58	Sequence 58, Appl
4	231	97.1	131	2 US-08-483-636-58	Sequence 58, Appl
5	231	97.1	132	2 US-08-483-636-2	Sequence 2, Appl
6	231	97.1	132	2 US-08-483-636-2	Sequence 2, Appl
7	230	96.6	111	1 US-08-491-845-16	Sequence 8, Appl
8	230	96.6	111	1 US-08-491-845-16	Sequence 16, Appl
9	230	96.6	111	1 US-08-579-378A-14	Sequence 51, Appl
10	230	96.6	131	3 US-08-579-378A-14	Sequence 14, Appl
11	230	96.6	131	3 US-08-579-378A-14	Sequence 18, Appl
12	230	96.6	131	3 US-08-579-378A-14	Sequence 18, Appl
13	230	96.6	131	3 US-08-579-378A-14	Sequence 18, Appl
14	225	94.5	106	4 US-08-466-151-6	Sequence 6, Appl
15	225	94.5	106	4 US-08-466-151-6	Sequence 6, Appl
16	225	94.5	131	2 US-08-483-632-14	Sequence 24, Appl
17	217	91.2	120	1 US-08-111-080-24	Sequence 24, Appl
18	217	91.2	120	1 US-08-111-080-24	Sequence 24, Appl
19	215	90.3	111	3 US-09-109-207C-6	Sequence 6, Appl
20	215	90.3	111	3 US-09-109-207C-6	Sequence 6, Appl
21	215	90.3	111	3 US-09-109-207C-6	Sequence 6, Appl
22	215	90.3	111	3 US-09-109-207C-6	Sequence 6, Appl
23	215	90.3	114	2 US-08-887-352B-10	Sequence 10, Appl
24	215	90.3	114	2 US-08-887-352B-10	Sequence 10, Appl
25	215	90.3	114	2 US-09-296-005-10	Sequence 10, Appl
26	215	90.3	218	3 US-08-887-352B-13	Sequence 13, Appl
27	215	90.3	218	3 US-08-466-151-9	Sequence 9, Appl

28	215	90.3	218	3 US-09-109-207C-13	Sequence 13, Appl
29	215	90.3	218	3 US-09-296-005-13	Sequence 13, Appl
30	215	90.3	218	4 US-08-466-153B-9	Sequence 9, Appl
31	211	88.7	111	2 US-08-887-352B-5	Sequence 5, Appl
32	211	88.7	111	3 US-08-466-151-2	Sequence 5, Appl
33	211	88.7	111	3 US-09-109-207C-5	Sequence 5, Appl
34	211	88.7	111	3 US-09-296-005-5	Sequence 5, Appl
35	211	88.7	111	4 US-08-466-153B-2	Sequence 2, Appl
36	211	88.7	114	4 US-08-887-352B-9	Sequence 9, Appl
37	208	87.4	114	3 US-09-109-207C-9	Sequence 9, Appl
38	208	87.4	114	2 US-08-887-352B-8	Sequence 8, Appl
39	192	80.7	218	3 US-09-296-005-9	Sequence 1, Appl
40	192	80.7	218	3 US-09-054-255-1	Sequence 1, Appl
41	192	80.7	218	4 US-09-282-846-1	Sequence 1, Appl
42	192	80.7	218	4 US-09-680-145-1	Sequence 1, Appl
43	190	79.8	219	4 US-08-553-497A-18	Sequence 18, Appl
44	190	79.8	219	3 US-09-109-207C-8	Sequence 8, Appl
45	189	79.4	114	3 US-09-109-207C-8	Sequence 8, Appl

ALIGNMENTS

RESULT 1
US-08-483-636-73
Sequence 73, Application US/08483636
Patent No. 5914110
GENERAL INFORMATION:
APPLICANT: Holmes, Stephen D.
APPLICANT: Gross, Mitchell S.
TITLE OF INVENTION: Recombinant IL4 Antibodies Useful in
TREATMENT OF IL4 Mediated Disorders
NUMBER OF SEQUENCES: 75
CORRESPONDENCE ADDRESS:
ADDRESSER: SmithKline Beecham Corp./Corporate
ADDRESSER: Intellectual Property
STREET: P.O. Box 1539 / UM2220
CITY: King Of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406-0939
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent'n Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/483,636
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/117366
FILING DATE: 07-SEP-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/136783
FILING DATE: 14-OCT-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US/94/10308
FILING DATE: 07-SEP-1994
ATTORNEY/AGENT INFORMATION:
NAME: Sutton, Jeffrey A.
REGISTRATION NUMBER: 34,028
REFERENCE/DOCKET NUMBER: P50186-3
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 270-5024
TELEFAX: (215) 270-5090
INFORMATION FOR SEQ ID NO: 73:
SEQUENCE CHARACTERISTICS:
LENGTH: 111 amino acids
TYPE: amino acid
STRANDNESS: single
TOPOLOGY: unknown

MOLECULE TYPE: protein
US-08-483-636-73

Query Match 97.1%; Score 231; DB 2; Length 111;
Best Local Similarity 27.0%; Pred. No. 1.1e-07;
Matches 30; Conservative 80; Mismatches 1; Indels 0; Gaps 0;

Qy 1 XXXXXXXXXXXXXXXXXXXXKASQSVYDGDSTNNXXXXXXXXXXXXXXXXXASNL60
Db 1 DIVLTQSPSSLSASVGRVTITCKASQSVYDGDSTNNWYQKPKAKPLIYAASNL60
Qy 61 XXXXXXXXXXXXXXXXXXXXQGSNEDPRTXXXXXXX 111
Db 61 GIPERFSGSGSDFTFTISSLQPEDIAITYCCQSNEDPPIFGGTVEIK 111

RESULT 2
US-08-483-632-73
Sequence 73, Application US/08483632
Patent No. 5928904

GENERAL INFORMATION:
APPLICANT: Holmes, Stephen D.
APPLICANT: Gross, Mitchell S.
APPLICANT: Sylvester, Daniel R.
TITLE OF INVENTION: Recombinant IL4 Antibodies Useful in
NUMBER OF SEQUENCES: 75
CORRESPONDENCE ADDRESS:
ADDRESSER: SmithKline Beecham Corp./Corporate
ADDRESSER: Intellectual Property
STREET: P.O. Box 1539 / UM2220
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406-0939

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/483,632
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/117366
FILING DATE: 07-SEP-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/136783
FILING DATE: 14-OCT-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US/94/10308
FILING DATE: 07-SEP-1994
ATTORNEY/AGENT INFORMATION:
NAME: Sutton, Jeffrey A.
REGISTRATION NUMBER: 34,028
REFERENCE/DOCKET NUMBER: P50186-3
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 270-5090
TELEFAX: (215) 270-5090
INFORMATION FOR SEQ ID NO: 73:
SEQUENCE CHARACTERISTICS:
LENGTH: 111 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-483-632-73

Query Match 97.1%; Score 231; DB 2; Length 111;
Best Local Similarity 27.0%; Pred. No. 1.1e-07;
Matches 30; Conservative 80; Mismatches 1; Indels 0; Gaps 0;

Qy 1 XXXXXXXXXXXXXXXXXXXXKASQSVYDGDSTNNXXXXXXXXXXXXXXXXXASNL60
Db 1 DIVLTQSPSSLSASVGRVTITCKASQSVYDGDSTNNWYQKPKAKPLIYAASNL60
Qy 61 XXXXXXXXXXXXXXXXXXXXQGSNEDPRTXXXXXXX 111
Db 61 GIPERFSGSGSDFTFTISSLQPEDIAITYCCQSNEDPPIFGGTVEIK 111

RESULT 3
US-08-483-636-58
Sequence 58, Application US/08483636
Patent No. 591410

GENERAL INFORMATION:
APPLICANT: Holmes, Stephen D.
APPLICANT: Gross, Mitchell S.
APPLICANT: Sylvester, Daniel R.
TITLE OF INVENTION: Recombinant IL4 Antibodies Useful in
NUMBER OF SEQUENCES: 75
CORRESPONDENCE ADDRESS:
ADDRESSER: SmithKline Beecham Corp./Corporate
ADDRESSER: Intellectual Property
STREET: P.O. Box 1539 / UM2220
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406-0939
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/483,636
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/117366
FILING DATE: 07-SEP-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/136783
FILING DATE: 14-OCT-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US/94/10308
FILING DATE: 07-SEP-1994
ATTORNEY/AGENT INFORMATION:
NAME: Sutton, Jeffrey A.
REGISTRATION NUMBER: 34,028
REFERENCE/DOCKET NUMBER: P50186-3
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 270-5090
TELEFAX: (215) 270-5090
INFORMATION FOR SEQ ID NO: 58:
SEQUENCE CHARACTERISTICS:
LENGTH: 131 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-483-636-58

Query Match 97.1%; Score 231; DB 2; Length 131;
Best Local Similarity 27.0%; Pred. No. 2e-07;
Matches 30; Conservative 80; Mismatches 1; Indels 0; Gaps 0;

Qy 1 XXXXXXXXXXXXXXXXXXXXKASQSVYDGDSTNNXXXXXXXXXXXXXXXXXASNL60
Db 20 DIVLTQSPDLSAVSLGRATINCKASQSVYDGDSTNNWYQKPKAKPLIYAASNL79
Qy 61 XXXXXXXXXXXXXXXXXXXXQGSNEDPRTXXXXXXX 111
Db 80 GVPRFSGSGSDFTFTISSLQPEDIAITYCCQSNEDPPIFGGTVEIK 130

RESULT 4
TTS-08-483-632-58
TTS/08483632

GENERAL INFORMATION:
APPLICANT: Holmes, Stephen D.
APPLICANT: Graces, Mitchell S.
APPLICANT: Sylvester, Daniel R. IL4 Antibodies Useful in
TITLE OF INVENTION: Recombinant Treatment of IL4 mediated Disorders
TITLE OF INVENTION: Treatment of IL4 mediated Disorders
NUMBER OF SEQUENCES: 75
CORRESPONDENCE ADDRESS:
ADDRESSES: Seltikline Beecham Corp./Corporate
ADDRESSES: Intellectual Property
STREET: P.O. Box 1539 / UW2220
CITY: King of Prussia

STATE: PA
COUNTRY: USA
ZIP: 19406-0939
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.22
CURRENT APPLICATION DATA:
REGISTRATION NUMBER: US/08/483,632

1 APPLICATION NUMBER: 08-1137366
2 FILING DATE: 07-SEP-1993
3 CLASSIFICATION:
4 PRIOR APPLICATION DATA: US 08/117366
5 APPLICATION NUMBER: 07-SEP-1993
6 FILING DATE: 07-SEP-1993
7 PRIOR APPLICATION NUMBER: US 08/116783
8 APPLICATION NUMBER: 08-1136783
9 FILING DATE: 14-OCT-1993
10 PRIOR APPLICATION DATA: PCT/US/94/103080
11 APPLICATION NUMBER: 07-SEP-1994
12 FILING DATE: 07-SEP-1994
13 ATTORNEY/AGENT INFORMATION:
14 NAME: Sutton, Jeffrey A. 028

NAME: STEVEN, 34,028
REGISTRATION NUMBER: P50186-3
REFERENCE INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 270-5024
TELEFAX: (215) 270-5090
INFORMATION FOR SEQ. ID NO.: 58:
SEQUENCE CHARACTERISTICS:
LENGTH: 131 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-483-632-58

97.1%; Score 231; DB 2; Length 131;
37.0%; Pred. No. 2e-07; Indels 0; Gaps 0;

	Query Match	Similarity	27.0%	Prod. No.	26-0/1	I	Indels	0	Gaps
	Best Local								
	Matches	Conservative	80	Mismatches					
OY	1	XXXXXXXXXXXXXXXXXXXXASQSDVYDSDSYNNKXXXXXXXXXXXXXXXXXAAANLTS	60						
		:::::::::::::::::::: :::	79						
Db	20	DIYMOTSPSLVASLGERATINCASQSVYDDSDYMNMTQAKPQQPKLLIYAASNLS							
OY	61	XXXXXXXXXXXXXXXXXXXXXXXXXXQSNEDPRTXXXXXXXXXXXXX	111						
		:::::::::::::::::::: :::							
Db	80	GVPDFRFGSGSGTDTFLITISLQADVAIVYYCCQSQSNEDEPTFPGGCKIKWK	130						

RESULT 5
US-08-483-636-2
Communication US/08483636

Sequence: 5914110
Patent No. 5914110
GENERAL INFORMATION: Stephen D.
APPLICANT: Holmes, Mitchell S
APPLICANT: Gross, Mitchell S

APPLICANT: Sylvaester, Daniel R.
TITLE OF INVENTION: Recombinant IL4 Antibodies Useful in
TREATMENT OF IL4 Mediated Disorders
NUMBER OF SEQUENCES: 75
CORRESPONDENCE ADDRESS: Beecham Corp./Corporate
Department of Research and Development
7090
ADDRESS: SmithKline Beecham Corp./Corporate
Department of Research and Development
7090

ADDRESS: Intellectual Property
ADDRESSEE: Intellectual Property
STREET: P.O. Box 1539 / UM2220
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406-0939
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/483,636

PRIOR FILING DATE: 424
CLASSIFICATION: 08/117366
PRIOR APPLICATION DATA: US 08/117366
APPLICATION NUMBER: 07-SEP-1993
FILING DATE: 07-SEP-1993
PRIOR APPLICATION DATA: US 08/136783
APPLICATION NUMBER: 14-OCT-1993
FILING DATE: 14-OCT-1993
PRIOR APPLICATION DATA: PCT/US/94/103080
APPLICATION NUMBER: 07-SEP-1994
FILING DATE: 07-SEP-1994
ATTORNEY/AGENT INFORMATION: NAME: Sutton, Jeffrey A.
NAME: Sutton, Jeffrey A.
REGISTRATION NUMBER: 34,028
CREDIT NUMBER: E50186-3

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REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 270-5024
FAX: (215) 270-5030
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 132 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
UN-08-483-656-2

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US-08-483-636-2

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Query Match      97.1%;   Score 221;
Best Local Similarity 27.0%;   Pred. No. 2,1e-07;
Matches          30; Conservative 80; Mismatches 1; Indels 0; Gaps 0
1 XXXXXXXXXXXXXXXXXXXXSGSDVDGDSYNNXXXXXXXXXXXXXXXXASNTES 60
|XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX|
21 DIVLGGSPSLAVLSGPATISCKASQSDVYGSSYMMWQQKPGCPKLTLIYAASNDES 80
|XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX|
Dd 61 XXXXXXXXXXXXXXXXXXXXSGSNEDEPRITXXXXXXXXXX 111
|XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX|
Oy 81 GTPARPSGSGSETPTLIINHPVEEDNATLYCQSNSEDPPTFGGTGLETK 131
|XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX|
Db

```

RESULT 6
US-08-483-632-2
Sequence 2: Application US/08483632

Sequence No. 5928904
Patent No. 5,928,904
GENERAL INFORMATION:
APPLICANT: Holmes, Stephen D.
APPLICANT: Gross, Mitchell S.
APPLICANT: Sylvester, Daniel R.
TITLE OF INVENTION: Recombinant IL4 Antibodies Useful in
Treatment of IL4 Mediated Disorders
TITLE OF INVENTION: 75
NUMBER OF SEQUENCES: 75
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Smithline Beecham Corp./Corporate
ADDRESSEE: Intellectual Property
ADDRESS: P.O. Box 1539 / UW2220
STREET:

```

: CITY: King of Prussia
: STATE: PA
: COUNTRY: USA
: ZIP: 19406-0939
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/483,632
: FILING DATE:
: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/117366
: FILING DATE: 07-SEP-1993
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/136783
: FILING DATE: 14-OCT-1993
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: PCT/US/94/10308
: FILING DATE: 07-SEP-1994
: ATTORNEY/AGENT INFORMATION:
: NAME: Sutton, Jeffrey A.
: REGISTRATION NUMBER: 34,028
: REFERENCE/DOCKET NUMBER: P50186-3
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (215) 270-5024
: TELEFAX: (215) 270-5090
: INFORMATION FOR SEQ ID NO: 2:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 132 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: US-08-483-632-2

Query Match          97.1%; Score 231; DB 2; Length 132;
Best Local Similarity 27.0%; Pred. No. 2.1e-07;
Matches 30; Conservative 80; Mismatches 1; Indels 0; Gaps 0;

Cy 1 XXXXXXXXXXXXXXXXXXXXASQSVYDGSYNNXXXXXXXXXXXXXXXXXASNLIES 60
    :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Db 21 DIVLTQSPASIAVSLGQRATISCRASQSVYDGSYNNWYQOKGQPKLITYASNLIES 80
    :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Cy 61 XXXXXXXXXXXXXXXXXXXXQGSNEDPRTYXXXXXXXXXXXX 111
    :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Db 81 GIPARFSGSGSDPTLTINIHVEERDATTYCCQSNEDPFTFGGTLERK 131
    :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

RESULT 7
US-08-491-845-8
: Sequence 8, Application US/08491845
: Patent No. 5773247
: GENERAL INFORMATION:
: APPLICANT: MAEDA, Hiroaki
: APPLICANT: KIMACHI, Kazuhiko
: APPLICANT: EDA, Yasuyuki
: APPLICANT: SHIOSAKI, Kouichi
: APPLICANT: OSATOMI, Kiyoshi
: APPLICANT: TOKIYOSHI, Sachio
: TITLE OF INVENTION: RECOMBINANT ANTI-HIV ANTIBODY AND
: TITLE OF INVENTION: PROCESS FOR PREPARING THE SAME
: NUMBER OF SEQUENCES: 17
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Browdy and Neimark
: STREET: 419 Seventh Street N.W. Ste. 300
: CITY: Washington
: STATE: D.C.
: COUNTRY: USA
: ZIP: 20004
: COMPUTER READABLE FORM:
: MEDIUM TYPE, Floppy disk
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```

: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/491,845
: FILING DATE:
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: PCT/JP93/00039
: FILING DATE: 14-JAN-1993
: ATTORNEY/AGENT INFORMATION:
: NAME: Browdy, Roger L.
: REGISTRATION NUMBER: 25,618
: REFERENCE/DOCKET NUMBER: MAEDA=5
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (202) 628-5197
: TELEFAX: (202) 737-3528
: INFORMATION FOR SEQ ID NO: 8:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 111 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: US-08-491-845-8

Query Match          96.6%; Score 230; DB 1; Length 111;
Best Local Similarity 27.0%; Pred. No. 1.3e-07;
Matches 30; Conservative 80; Mismatches 1; Indels 0; Gaps 0;

Cy 1 XXXXXXXXXXXXXXXXXXXXASQSVYDGSYNNXXXXXXXXXXXXXXXXXASNLIES 60
    :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Db 1 DIVLTQSPASIAVSLGQRATISCRASQSVYDGSYNNWYQOKGQPKLITYASNLIES 60
    :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Cy 61 XXXXXXXXXXXXXXXXXXXXQGSNEDPRTYXXXXXXXXXXXX 111
    :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Db 61 GIPARFSGSGSDPTLTINIHVEERDATTYCCQSNEDPFTFGGTLERK 111
    :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

RESULT 8
US-08-491-845-16
: Sequence 16, Application US/08491845
: Patent No. 5773247
: GENERAL INFORMATION:
: APPLICANT: MAEDA, Hiroaki
: APPLICANT: KIMACHI, Kazuhiko
: APPLICANT: EDA, Yasuyuki
: APPLICANT: SHIOSAKI, Kouichi
: APPLICANT: OSATOMI, Kiyoshi
: APPLICANT: TOKIYOSHI, Sachio
: TITLE OF INVENTION: RECOMBINANT ANTI-HIV ANTIBODY AND
: TITLE OF INVENTION: PROCESS FOR PREPARING THE SAME
: NUMBER OF SEQUENCES: 17
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Browdy and Neimark
: STREET: 419 Seventh Street N.W. Ste. 300
: CITY: Washington
: STATE: D.C.
: COUNTRY: USA
: ZIP: 20004
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/491,845
: FILING DATE:
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: PCT/JP93/00039
: FILING DATE: 14-JAN-1993
: ATTORNEY/AGENT INFORMATION:
: NAME: Browdy, Roger L.
```

[illegible]


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; SEQ ID NO 6  
; LENGTH: 106  
; TYPE: PRT  
; ORGANISM: Mus musculus  
US-08-466-163B-6
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Query Match
Best Local Similarity 94.5%; Score 225; DB 4; Length 106;
Matches 30; Conservative 75; Mismatches 1; Indels 0; Gaps 0

Dy 1 XXXXXXXXXXXXXXXXXXASGQVDYDGSYNMXXXXXXXXXXAASNLES 60
:::|||||
Db 1 DIQTSPASLAVSIGARATISCRASGVDPDGDSYNMWQQKPPQLILYAASNLES 60
::::::::::::::::::OQSNEPPTKTKXKX 106
:::|||||:

Dy 61 GIPIAFSGSGGTFTLNHPVEERDATYYCOOSNEDPFTEAGT 106
:::|||||:

RESULT 15
US-08-483-636-14
; Sequence 14, Application US/08483636
; Patent No. 5914110
GENERAL INFORMATION:
APPLICANT: Holmes, Stephen D.
APPLICANT: Grose, Mitchell S.
TITLE OF INVENTION: Recombinant IL4 Antibodies Useful In
TITLE OF INVENTION: Treatment of IL4 Mediated Disorders
NUMBER OF SEQUENCES: 75
CORRESPONDENCE ADDRESS:
ADDRESSEE: SmithKline Beecham Corp./Corporate
ADDRESS: Intellectual Property
STREET: P.O. Box 1539 / UM2220
CITY: King of Prussia
STATE: PA
ZIP: 19406-0939
COUNTRY: USA

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/483,636
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/117366
FILING DATE: 07-SEP-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/136783
FILING DATE: 14-OCT-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US/94/10308
FILING DATE: 07-SEP-1994
ATTORNEY/AGENT INFORMATION:
NAME: Sutton, Jeffrey A.
REGISTRATION NUMBER: 34,028
REFERENCE/DOCKET NUMBER: P50186-3
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 270-5024
TELEFAX: (215) 270-5090
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 131 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-483-636-14

Query Match 94.5%; Score 225; DB 2; Length 131;
Best Local Similarity 26.1%; Pred. No. 5.6e-07;

	Matches	29,	Conservative	80,	Mismatches	2,	Indels	0,	Gaps	0,
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Dd	20	DIWVTGSDSLAVLSGERATINCKRSQGVDDIGDSYNNM	QQQKPPQPKLLIYAASNES	79	:	:	:	:	:	:
Qy	61	XXXXXXXXXXXXXXXXXXXXX	QQSNEPRKYXXXXXXXXXX	111	:	:	:	:	:	:
Dd	80	GVDFDFSSGGSTDTTLTISLQAIDADVAVYCQSNEDP	PPRGGTKEIK	130	:	:	:	:	:	:

Search completed: February 20, 2004, 13:24:30
Job time : 15.6318 secs

GenCore version 5.1.6
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OM protein - protein search, using SW model

Run on: February 20, 2004, 13:23:52 ; Search time 0.331643 Seconds
(without alignments)
1275.794 Million cell updates/sec

Title: US-09-499-662-1
Perfect score: 59
Sequence: 1 RTONTKCRCK 10

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 segs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-Processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
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6: /cgm2_6/prodata/1/iaa/backfill.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	ID	Description
1	59	100.0	119 2 US-08-219-237B-3	Sequence 3, Appl1
2	59	100.0	119 3 US-08-477-347-14	Sequence 14, Appl1
3	59	100.0	119 3 US-08-476-662-5	Sequence 5, Appl1
4	59	100.0	119 3 US-08-468-560C-3	Sequence 3, Appl1
5	59	100.0	119 4 US-08-828-683A-15	Sequence 15, Appl1
6	59	100.0	119 4 US-09-800-909-5	Sequence 9, Appl1
7	59	100.0	128 4 US-09-180-100-9	Sequence 10, Appl1
8	59	100.0	143 4 US-09-180-100-10	Sequence 11, Appl1
9	59	100.0	144 4 US-09-180-100-21	Sequence 21, Appl1
10	59	100.0	157 4 US-09-180-100-15	Sequence 15, Appl1
11	59	100.0	159 4 US-09-180-100-23	Sequence 23, Appl1
12	59	100.0	167 4 US-08-828-683A-22	Sequence 45, Appl1
13	59	100.0	219 3 US-08-974-022-45	Sequence 45, Appl1
14	59	100.0	219 3 US-08-795-445A-45	Sequence 45, Appl1
15	59	100.0	219 3 US-08-795-447A-45	Sequence 45, Appl1
16	59	100.0	219 3 US-08-974-186-45	Sequence 45, Appl1
17	59	100.0	219 3 US-08-995-446B-45	Sequence 131, Appl1
18	59	100.0	219 4 US-08-706-945D-131	Sequence 3, Appl1
19	59	100.0	281 4 US-09-527-235A-3	Sequence 19, Appl1
20	59	100.0	314 1 US-08-444-231-19	Sequence 19, Appl1
21	59	100.0	314 5 PCT-US95-17083-4	Sequence 4, Appl1
22	59	100.0	331 4 US-09-086-483A-3	Sequence 3, Appl1
23	59	100.0	331 4 US-09-580-212-3	Sequence 3, Appl1
24	59	100.0	335 2 US-08-219-237B-2	Sequence 2, Appl1
25	59	100.0	335 2 US-08-409-338-1	Sequence 1, Appl1
26	59	100.0	335 3 US-08-815-469-6	Sequence 6, Appl1
27	59	100.0	335 3 US-08-815-469-6	Sequence 6, Appl1

28	59	100.0	335 3 US-09-290-640-2	Sequence 2, Appl1
29	59	100.0	335 3 US-09-006-353A-7	Sequence 7, Appl1
30	59	100.0	335 3 US-08-468-560C-2	Sequence 2, Appl1
31	59	100.0	335 4 US-09-180-100-20	Sequence 20, Appl1
32	59	100.0	335 4 US-09-565-918-3	Sequence 7, Appl1
33	59	100.0	335 4 US-09-573-986-7	Sequence 2, Appl1
34	59	100.0	335 5 PCT-US95-17083-2	Sequence 11, Appl1
35	59	100.0	360 4 US-09-180-100-11	Sequence 2, Appl1
36	59	100.0	376 4 US-09-180-100-22	Sequence 22, Appl1
37	59	100.0	669 4 US-09-013-895A-3	Sequence 3, Appl1
38	59	100.0	669 4 US-09-448-868-3	Sequence 66, Appl1
39	51	86.4	327 3 US-09-230-640-6	Sequence 12, Appl1
40	40	67.8	234 4 US-09-130-491-12	Sequence 2, Appl1
41	40	67.8	368 2 US-08-651-579-2	Sequence 6, Appl1
42	40	67.8	467 2 US-09-086-483A-6	Sequence 6, Appl1
43	40	67.8	467 4 US-09-580-212-6	Sequence 2, Appl1
44	40	67.8	468 4 US-09-013-895A-2	Sequence 2, Appl1
45	40	67.8	468 4 US-09-565-918-2	Sequence 2, Appl1

ALIGNMENTS

RESULT 1
US-08-219-237B-3
Sequence 3, Application US/08219237B
Patent No. 5874546
GENERAL INFORMATION:
APPLICANT: NAGATA, Shigekazu
APPLICANT: ITOH, Naoto
APPLICANT: YONEHARA, Shin
TITLE OF INVENTION: DNA Coding for Human Cell Surface Antigen
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESSES:
ADDRESSEE: James W. Hellwege
STREET: P.O. Box 2266 Bads Station
CITY: Arlington
STATE: Virginia
COUNTRY: USA
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/219,237B
FILING DATE: 28-MAR-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/872,129
FILING DATE: 22-APR-1992
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: James W. Hellwege
REGISTRATION NUMBER: 28,808
REFERENCE/DOCKET NUMBER: 516762
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-219-237B-3
Query Match 100.0%, Score 59; DB 2; Length 119;
Best Local Similarity 100.0%, Pred. No. 0.015;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
DB 75 RTONTKCRCK 84

RESULT 2
US-08-477-347-14
; Sequence 14, Application US/08477347
; Patent No. 6232446
; GENERAL INFORMATION:
; APPLICANT: WALLACH, David
; APPLICANT: BIGDA, Jacek
; APPLICANT: BELETSKY, Igor
; APPLICANT: METT, Igor
; TITLE OF INVENTION: TNF LIGANDS
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/477,347
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/115,685
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 106271
; FILING DATE: 08-JUL-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Townsend, G. Kevin
; REGISTRATION NUMBER: 34,033
; REFERENCE/DOCKET NUMBER: WALLACH=10
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; TELEX: 248633
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 119 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-477-347-14

Query Match 100.0%; Score 59; DB 3; Length 119;
Best Local Similarity 100.0%; Pred. No. 0.015;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RTONTKCRCK 10
Db 75 RTONTKCRCK 84

RESULT 3
US-08-476-862-5
; Sequence 5, Application US/08476862
; Patent No. 6262239
; GENERAL INFORMATION:
; APPLICANT: WALLACH, David
; APPLICANT: BIGDA, Jacek
; APPLICANT: BELETSKY, Igor
; APPLICANT: METT, Igor
; APPLICANT: ENGELMANN, Hartmut
; TITLE OF INVENTION: TNF INHIBITORS
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:

ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/476,862
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 107267
; FILING DATE: 12-OCT-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 94039
; FILING DATE: 06-APR-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 91229
; FILING DATE: 06-AUG-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 90339
; FILING DATE: 18-MAY-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: BROWDY, Roger L.
; REGISTRATION NUMBER: 25,618
; REFERENCE/DOCKET NUMBER: WALLACH=12A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 119 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-476-862-5

Query Match 100.0%; Score 59; DB 3; Length 119;
Best Local Similarity 100.0%; Pred. No. 0.015;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RTONTKCRCK 10
Db 75 RTONTKCRCK 84

RESULT 4
US-08-468-560C-3
; Sequence 3, Application US/08468560C
; Patent No. 6270998
; GENERAL INFORMATION:
; APPLICANT: NAGATA, Shigekazu
; APPLICANT: ITOH, Naoto
; APPLICANT: YONEHARA, Shin
; TITLE OF INVENTION: DNA CODING FOR HUMAN CELL SURFACE
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIRCH, STEWART, KOLASCH & BIRCH, LLP.
; STREET: P.O. BOX 747
; CITY: FALLS CHURCH
; STATE: VA
; COUNTRY: USA
; ZIP: 22040-0747
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/468,560C
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: MURPHY JR., GERLAD M.
REGISTRATION NUMBER: 28,977
REFERENCE/DOCKET NUMBER: 20-4393P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-205-8000
TELEFAX: 703-205-8050
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-468-560C-3

Query Match 100.0%; Score 59; DB 3; Length 119;
Best Local Similarity 100.0%; Pred. No. 0.015;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RTONTKCRCK 10
|||||
DB 75 RTONTKCRCK 84

RESULT 5
US-08-828-683A-15
Sequence 15, Application US/08828683A
Patent No. 6469144
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
TITLE OF INVENTION: Apo-2 LI AND Apo-3 POLYPEPTIDES
NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESS: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPacIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/828,683A
FILING DATE: 31-Mar-1997
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/625328
FILING DATE: 1-Apr-1996
APPLICATION NUMBER: 08/710802
FILING DATE: 23-Sep-1996
ATTORNEY/AGENT INFORMATION:
NAME: Marshchang, Diane L.
REGISTRATION NUMBER: 35,600
REFERENCE/DOCKET NUMBER: P1007P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5416
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acids
TYPE: Amino Acid
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 15:

US-08-828-683A-15

Query Match 100.0%; Score 59; DB 4; Length 119;
Best Local Similarity 100.0%; Pred. No. 0.015;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RTONTKCRCK 10
|||||
DB 74 RTONTKCRCK 83

RESULT 6
US-09-800-909-5

Sequence 5, Application US/09800909
Patent No. 655111

GENERAL INFORMATION:

APPLICANT: WALLACH, David

APPLICANT: BIGDA, Jacek

APPLICANT: BELETSKY, Igor

APPLICANT: METT, Igor

APPLICANT: ENGELMANN, Hartmut

TITLE OF INVENTION: TNF INHIBITORS

NUMBER OF SEQUENCES: 8

CORRESPONDENCE ADDRESS:
ADDRESS: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W.
CITY: Washington
STATE: D.C.

COUNTRY: USA

ZIP: 20004

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/800,909

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/476,862

FILING DATE:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: IL 94039

FILING DATE: 06-APR-1990

PRIOR APPLICATION DATA:

APPLICATION NUMBER: IL 91229

FILING DATE: 06-AUG-1989

PRIOR APPLICATION DATA:

APPLICATION NUMBER: IL 90339

FILING DATE: 18-MAY-1989

ATTORNEY/AGENT INFORMATION:

NAME: BROWDY, Roger L.

REGISTRATION NUMBER: 25,618

REFERENCE/DOCKET NUMBER: WALLACH-12A

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-628-5197

TELEFAX: 202-737-3528

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 119 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

US-09-800-909-5

Query Match 100.0%; Score 59; DB 4; Length 119;
Best Local Similarity 100.0%; Pred. No. 0.015;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RTONTKCRCK 10
|||||

Db 75 RTONTKCRCK 84

RESULT 7

US-09-180-100-9
; Sequence 9, Application US/09180100
; Patent No. 6306395
; GENERAL INFORMATION:
; APPLICANT: NAKAMURA, No. 630639510
; APPLICANT: NAKAMURA, Shigekazu
; TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE
; FILE REFERENCE: 1110-207P
; CURRENT APPLICATION NUMBER: US/09/180,100
; CURRENT FILING DATE: 1998-11-02
; EARLIER APPLICATION NUMBER: PCT/JP97/01502
; EARLIER FILING DATE: 1997-05-01
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
; LENGTH: 128
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-180-100-9

Query Match 100.0%; Score 59; DB 4; Length 128;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RTONTKCRCK 10
| | | | | | | |
Db 76 RTONTKCRCK 85

RESULT 8

US-09-180-100-10
; Sequence 10, Application US/09180100
; Patent No. 6306395
; GENERAL INFORMATION:
; APPLICANT: NAKAMURA, No. 630639510
; APPLICANT: NAKAMURA, Shigekazu
; TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE
; FILE REFERENCE: 1110-207P
; CURRENT APPLICATION NUMBER: US/09/180,100
; CURRENT FILING DATE: 1998-11-02
; EARLIER APPLICATION NUMBER: PCT/JP97/01502
; EARLIER FILING DATE: 1997-05-01
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 143
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-180-100-10

Query Match 100.0%; Score 59; DB 4; Length 143;
Best Local Similarity 100.0%; Pred. No. 0.018;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RTONTKCRCK 10
| | | | | | | |
Db 76 RTONTKCRCK 85

RESULT 9

US-09-180-100-21
; Sequence 21, Application US/09180100
; Patent No. 6306395
; GENERAL INFORMATION:
; APPLICANT: NAKAMURA, No. 630639510
; APPLICANT: NAKAMURA, Shigekazu
; TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE
; FILE REFERENCE: 1110-207P
; CURRENT APPLICATION NUMBER: US/09/180,100

CURRENT FILING DATE: 1998-11-02
; EARLIER APPLICATION NUMBER: PCT/JP97/01502
; EARLIER FILING DATE: 1997-05-01
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 21
; LENGTH: 144
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-180-100-21

Query Match 100.0%; Score 59; DB 4; Length 144;
Best Local Similarity 100.0%; Pred. No. 0.018;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RTONTKCRCK 10
| | | | | | | |
Db 92 RTONTKCRCK 101

RESULT 10

US-09-180-100-15
; Sequence 15, Application US/09180100
; Patent No. 6306395
; GENERAL INFORMATION:
; APPLICANT: NAKAMURA, No. 630639510
; APPLICANT: NAKAMURA, Shigekazu
; TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE
; FILE REFERENCE: 1110-207P
; CURRENT APPLICATION NUMBER: US/09/180,100
; CURRENT FILING DATE: 1998-11-02
; EARLIER APPLICATION NUMBER: PCT/JP97/01502
; EARLIER FILING DATE: 1997-05-01
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 15
; LENGTH: 157
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-180-100-15

Query Match 100.0%; Score 59; DB 4; Length 157;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RTONTKCRCK 10
| | | | | | | |
Db 105 RTONTKCRCK 114

RESULT 11

US-09-180-100-23
; Sequence 23, Application US/09180100
; Patent No. 6306395
; GENERAL INFORMATION:
; APPLICANT: NAKAMURA, No. 630639510
; APPLICANT: NAKAMURA, Shigekazu
; TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE
; FILE REFERENCE: 1110-207P
; CURRENT APPLICATION NUMBER: US/09/180,100
; CURRENT FILING DATE: 1998-11-02
; EARLIER APPLICATION NUMBER: PCT/JP97/01502
; EARLIER FILING DATE: 1997-05-01
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 23
; LENGTH: 159
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-180-100-23

Query Match 100.0%; Score 59; DB 4; Length 159;
Best Local Similarity 100.0%; Pred. No. 0.02;

Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 RTONTKCRCK 10
Db 92 RTONTKCRCK 101

RESULT 12

US-08-828-683A-22
Sequence 22, Application US/08828683A
Patent No. 6469144
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
TITLE OF INVENTION: Apo-2 LI AND Apo-3 POLYPEPTIDES
NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/828,683A
FILING DATE: 31-Mar-1997
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/625328
FILING DATE: 1-Apr-1996
APPLICATION NUMBER: 08/710802
FILING DATE: 23-Sep-1996
ATTORNEY/AGENT INFORMATION:
NAME: Marschang, Diane L.
REGISTRATION NUMBER: 35,600
REFERENCE/DOCKET NUMBER: P1007P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5416
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 167 amino acids
TYPE: AMINO ACID
TOPOLOGY: Linear
SEQUENCE DESCRIPTION: SEQ ID NO: 22:
US-08-828-683A-22
Query Match 100.0%; Score 59; DB 4; Length 167;
Best Local Similarity 100.0%; Pred. No. 0.02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 RTONTKCRCK 10
Db 121 RTONTKCRCK 130

RESULT 13

US-08-974-022-45
Sequence 45, Application US/08974022
Patent No. 6015938
GENERAL INFORMATION:
APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: OSTEOPROTEGERIN
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.

STREET: 1640 Dehavilland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,022
FILING DATE: 12-DEC-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/577,788
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ ID NO: 45:
SEQUENCE CHARACTERISTICS:
LENGTH: 219 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-974-022-45

Query Match 100.0%; Score 59; DB 3; Length 219;
Best Local Similarity 100.0%; Pred. No. 0.026;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RTONTKCRCK 10
Db 121 RTONTKCRCK 130

RESULT 14

US-08-795-445A-45
Sequence 45, Application US/08795445A
Patent No. 6284485
GENERAL INFORMATION:
APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: OSTEOPROTEGERIN
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.
STREET: 1640 Dehavilland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/795,445A
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/577,788
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ ID NO: 45:
SEQUENCE CHARACTERISTICS:

LENGTH: 219 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-795-445A-45

Query Match 100.0%; Score 59; DB 3; Length 219;
Best Local Similarity 100.0%; Pred. No. 0.026;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 RTONTKCRCK 10
|||
Db 121 RTONTKCRCK 130

RESULT 15
US-08-795-447A-45
Sequence 45, Application US/08795447A

Patent No. 6284728
GENERAL INFORMATION:
APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: Osteoprotegerin
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESS: Amgen Inc.
STREET: One Amgen Center Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91362-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/795,447A
FILING DATE:
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378D2
INFORMATION FOR SEQ ID NO: 45:
SEQUENCE CHARACTERISTICS:
LENGTH: 219 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-795-447A-45

Query Match 100.0%; Score 59; DB 3; Length 219;
Best Local Similarity 100.0%; Pred. No. 0.026;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 RTONTKCRCK 10
|||
Db 121 RTONTKCRCK 130

Search completed: February 20, 2004, 13:35:01
Job time : 1.33164 secs

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OM protein - protein search, using SW model

Run on: February 20, 2004, 13:23:52 ; Search time 7.89311 seconds

(without alignments)
1275.794 Million cell updates/sec

Title: US-09-499-662-52

Perfect score: 1246
Sequence: 1 MERDITLLWMLWLPVSGTG.....EYTHQGLSSPVTKSFNRGEC 238Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summariesDatabase :
Issued Patents AA:*
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2: /cgn2_6/ptodata/1/1aa/5B.COMB.pep:*
3: /cgn2_6/ptodata/1/1aa/6A.COMB.pep:*
4: /cgn2_6/ptodata/1/1aa/6B.COMB.pep:*
5: /cgn2_6/ptodata/1/1aa/PTUS.COMB.pep:*
6: /cgn2_6/ptodata/1/1aa/backfile1.pep:*Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	ID	Description
1	1032	82.8	218 5 PCT-US96-13152-2	Sequence 2, App1
2	1028	82.5	240 4 US-09-301-593-36	Sequence 36, App1
3	1018	81.7	218 2 US-08-887-352B-13	Sequence 13, App1
4	1018	81.7	218 3 US-08-466-151-9	Sequence 9, App1
5	1018	81.7	218 3 US-09-109-207C-13	Sequence 11, App1
6	1018	81.7	218 3 US-09-236-005-13	Sequence 13, App1
7	1018	81.7	218 4 US-08-466-163B-9	Sequence 9, App1
8	995	79.9	218 3 US-08-282-505-1	Sequence 1, App1
9	995	79.9	218 3 US-09-054-355-1	Sequence 1, App1
10	995	79.9	218 4 US-09-282-846-1	Sequence 1, App1
11	995	79.9	218 4 US-09-680-145-1	Sequence 1, App1
12	992	79.6	218 2 US-08-887-352B-15	Sequence 15, App1
13	992	79.6	218 2 US-08-887-352B-17	Sequence 17, App1
14	992	79.6	218 2 US-08-887-352B-19	Sequence 19, App1
15	992	79.6	218 2 US-08-887-352B-24	Sequence 24, App1
16	992	79.6	218 3 US-09-109-207C-15	Sequence 15, App1
17	992	79.6	218 3 US-09-109-207C-17	Sequence 17, App1
18	992	79.6	218 3 US-09-109-207C-19	Sequence 19, App1
19	992	79.6	218 3 US-09-109-207C-24	Sequence 24, App1
20	992	79.6	218 3 US-09-236-005-15	Sequence 15, App1
21	992	79.6	218 3 US-09-236-005-17	Sequence 17, App1
22	992	79.6	218 3 US-09-236-005-19	Sequence 19, App1
23	992	79.6	218 3 US-09-236-005-24	Sequence 24, App1
24	969.5	77.8	241 2 US-07-916-098A-56	Sequence 56, App1
25	965.5	77.5	239 3 US-08-487-550-6	Sequence 6, App1
26	965.5	77.5	239 4 US-09-526-098-6	Sequence 6, App1
27	963	77.3	234 4 US-09-740-002-24	Sequence 24, App1

28	959	77.0	234 3 US-09-049-672A-6	Sequence 6, App1
29	940.5	75.5	233 2 US-07-934-373C-25	Sequence 25, App1
30	940.5	75.5	233 3 US-08-437-642B-25	Sequence 25, App1
31	940.5	75.5	233 4 US-08-146-206C-25	Sequence 25, App1
32	940.5	75.5	233 5 PCT-US93-07832-25	Sequence 25, App1
33	940.5	75.5	235 3 US-09-171-945-97	Sequence 97, App1
34	938	75.3	240 4 US-09-301-593-28	Sequence 28, App1
35	937	75.2	214 2 US-07-934-373C-39	Sequence 39, App1
36	937	75.2	214 3 US-08-437-642B-39	Sequence 39, App1
37	937	75.2	214 5 PCT-US93-07832-39	Sequence 39, App1
38	935.5	75.1	235 1 US-08-276-852-153	Sequence 153, App1
39	935.5	75.1	235 1 US-08-899-575-153	Sequence 153, App1
40	935.5	75.1	235 1 US-08-899-575-153	Sequence 153, App1
41	935.5	75.1	235 5 PCT-US95-08743-153	Sequence 153, App1
42	932.5	74.8	235 3 US-09-171-945-99	Sequence 99, App1
43	932	74.8	214 2 US-07-934-373C-40	Sequence 40, App1
44	932	74.8	214 2 US-08-788-800-11	Sequence 11, App1
45	932	74.8	214 3 US-08-437-642B-40	Sequence 40, App1

ALIGNMENTS

RESULT 1
PCT-US96-13152-2
Sequence 2, Application PC/TUS9613152
GENERAL INFORMATION:
APPLICANT: Marten, Ulrich, et al.
TITLE OF INVENTION: Anti-selectin antibodies for prevention of multiple organ fai
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESSES:
ADDRESSES: Pelfe & Lynch
ADDRESSER: Attn: Norman D. Hanson
STREET: 805 Third Avenue
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Computer Disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT-US96/13152
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/576,953
FILING DATE: 27-Dec-95
APPLICATION NUMBER: EP 95 112 895.8
FILING DATE: 17-Aug-95
APPLICATION NUMBER: EP 95 114 969.9
FILING DATE: 19-Sep-95
ATTORNEY/AGENT INFORMATION:
NAME: Norman D. Hanson
REGISTRATION NUMBER: 30,946
REFERENCE/DOCKET NUMBER: BOER 1059-PCT-PF/NDH
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 688-9200
TELEFAX: (212) 838-3864
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 218
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US96-13152-2
Query Match 82.8%; Score 1032; DB 5; Length 218;
Best Local Similarity 89.9%; Pred. No. 1.5e-78;
Matches 196; Conservative 11; Mismatches 11; Gaps 0;

QY 21 DIVLTGPGTSLSPGERATLSCKASQSVYDGDSTYNNWYQKRGAPRLIYAASNTLES 80
 DB 1 DIQMTGSPSSLSASVGVDRVITTCASQSVYDGDSTYNNWYQKRGAPRLIYAASNTLES 60
 QY 81 GIDPRFSGSGSGDPTLTITIHVEEDATYCCQSNEDPRTFGGTLEIKRTVAASVVF 140
 DB 61 GIDPRFSGSGSGDPTLTITISLOPEDPATYCCQSNEDPRTFGGTLEIKRTVAASVVF 120
 QY 141 IFPPSDQLKSGTASVCLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDYSTLS 200
 DB 121 IFPPSDQLKSGTASVCLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDYSTLS 180
 QY 201 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
 DB 181 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 218

RESULT 2

US-09-301-593-36
 ; Sequence 36, Application US/09301593A
 ; Patent No. 6455677
 ; GENERAL INFORMATION:
 ; APPLICANT: Park, John E.
 ; APPLICANT: Garin-Chessa, Pilar
 ; APPLICANT: Bamberger, Uwe
 ; APPLICANT: Leger, Olivier
 ; APPLICANT: Saldanha, Jose W.
 ; APPLICANT: Rettig, Wolfgang J.
 ; TITLE OF INVENTION: PAP-specific Antibody with Improved Producibility
 ; FILE REFERENCE: 0652.189001
 ; CURRENT APPLICATION NUMBER: US/09/301.593A
 ; CURRENT FILING DATE: 1999-04-29
 ; EARLIER APPLICATION NUMBER: EP 98107925.4
 ; EARLIER FILING DATE: 1998-04-30
 ; EARLIER APPLICATION NUMBER: US 60/086,049
 ; EARLIER FILING DATE: 1998-05-18
 ; NUMBER OF SEQ ID NOS: 108
 ; SOFTWARE: Patentin Ver. 2.0
 ; SEQ ID NO 36
 ; LENGTH: 240
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-301-593-36

Query Match 82.5%; Score 1028; DB 4; Length 240;
 Best Local Similarity 82.1%; Pred. No. 3.5e-78;
 Matches 197; Conservative 20; Mismatches 21; Indels 2; Gaps 1;

QY 1 METDTLLWVLLWVPGSTGDIVLTGPGTSLSPGERATLSCKASQSVYDGD--SYNN 58
 DB 1 METDTLLWVLLWVPGSGDIVLTGPGTSLSPGERATLNCSSQSLIYSRNQKLYLA 60
 QY 59 WYQKRGAPRLIYAASNTLESIGIPDRFSGSGSGDPTLTITIHVEEDATYCCQSNED 118
 DB 61 WYQKRGAPRLIYAASNTLESIGIPDRFSGSGSGDPTLTITISLOPEDPATYCCQSNED 120
 QY 119 PRTFGGTLEIKRTVAASVVFIFPPSDQLKSGTASVCLNNFYPREAKVQWKVDNAL 178
 DB 121 PRTFGGTLEIKRTVAASVVFIFPPSDQLKSGTASVCLNNFYPREAKVQWKVDNAL 180
 QY 179 QSGNSQESVTEQDSKDYSTLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
 DB 181 QSGNSQESVTEQDSKDYSTLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 240

RESULT 3

US-08-887-352B-13
 ; Sequence 13, Application US/08887352B
 ; Patent No. 5994511
 ; GENERAL INFORMATION:
 ; APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
 ; TITLE OF INVENTION: Improved Anti-19b Antibodies and Method of

;; TITLE OF INVENTION: Improving Polypeptides
 ;; NUMBER OF SEQUENCES: 26
 ;; CORRESPONDENCE ADDRESS:
 ;; ADDRESSEE: Genentech, Inc.
 ;; STREET: 1 DNA Way
 ;; CITY: South San Francisco
 ;; STATE: California
 ;; COUNTRY: USA
 ;; ZIP: 94080
 ;; COMPUTER READABLE FORM:
 ;; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 ;; COMPUTER: IBM PC compatible
 ;; OPERATING SYSTEM: PC-DOS/MS-DOS
 ;; SOFTWARE: MapPacIn (Genentech)
 ;; CURRENT APPLICATION DATA:
 ;; APPLICATION NUMBER: US/08/887,352B
 ;; FILING DATE: 03-Jul-1997
 ;; CLASSIFICATION: 530
 ;; ATTORNEY/AGENT INFORMATION:
 ;; NAME: Svoboda, Craig G.
 ;; REGISTRATION NUMBER: 39,044
 ;; REFERENCE/DOCKET NUMBER: P1123
 ;; TELECOMMUNICATION INFORMATION:
 ;; TELEPHONE: 650/225-1489
 ;; TELEFAX: 650/952-9881
 ;; INFORMATION FOR SEQ ID NO: 13:
 ;; SEQUENCE CHARACTERISTICS:
 ;; LENGTH: 218 amino acids
 ;; TYPE: Amino Acid
 ;; TOPOLOGY: Linear
 ;; US-08-887-352B-13

Query Match 81.7%; Score 1018; DB 2; Length 218;
 Best Local Similarity 88.5%; Pred. No. 2.1e-77;
 Matches 193; Conservative 13; Mismatches 12; Indels 0; Gaps 0;

QY 21 DIVLTGPGTSLSPGERATLSCKASQSVYDGDSTYNNWYQKRGAPRLIYAASNTLES 80
 DB 1 DIQMTGSPSSLSASVGVDRVITTCASQSVYDGDSTYNNWYQKRGAPRLIYAASNTLES 60
 QY 81 GIDPRFSGSGSGDPTLTITIHVEEDATYCCQSNEDPRTFGGTLEIKRTVAASVVF 140
 DB 61 GIDPRFSGSGSGDPTLTITISLOPEDPATYCCQSNEDPRTFGGTLEIKRTVAASVVF 120
 QY 141 IFPPSDQLKSGTASVCLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDYSTLS 200
 DB 121 IFPPSDQLKSGTASVCLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDYSTLS 180
 QY 201 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
 DB 181 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 218

RESULT 4

US-08-466-151-9
 ; Sequence 9, Application US/08466151
 ; Patent No. 6037453
 ; GENERAL INFORMATION:
 ; APPLICANT: Jardieu, Paula M.
 ; APPLICANT: Presta, Leonard G.
 ; TITLE OF INVENTION: Immunoglobulin Variants
 ; NUMBER OF SEQUENCES: 65
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genentech, Inc.
 ; STREET: 1 DNA Way
 ; CITY: South San Francisco
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94080
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: MainPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/466,151
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/466163
FILING DATE: 06-Jun-1995
APPLICATION NUMBER: 08/405617
FILING DATE: 15-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/185899
FILING DATE: 26-JAN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/879495
FILING DATE: 07-MAY-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744768
FILING DATE: 14-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P0718P2C1D1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/952-1489
TELEFAX: 650/225-1489
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-466-151-9

Query Match 81.7%; Score 1018; DB 3; Length 218;
Best Local Similarity 88.5%; Pred. No. 2.1e-77;
Matches 193; Conservative 13; Mismatches 12; Indels 0; Gaps 0;

QY 21 DIVLTGSGTSLSPGERATLSCKASQSVYDGDSDYNNMWYQKRGQAPELLIYAASNILES 80
DB 1 DIQLTGSPSSLSASVGRVITTCRASQSVYDGDSDYNNMWYQKRGKAPKLLIYAASYLE 60
QY 81 GIDPRFSGSGSGTDFTLTTHPVEBEDAATYYCOQSNEDPTFGGTLEIKRTVAAPSVF 140
DB 61 GVPSRFSGSGSGTDFTLTISLQPEDPATYYCOQSHDPTFGGTVEIKRTVAAPSVF 120
QY 141 IPPPSDQLKSGTASVVCCLNNFPYPRAKYQWKVDNALQSGNSQESVTEQDSKDSYSTLS 200
DB 121 IPPPSDQLKSGTASVVCCLNNFPYPRAKYQWKVDNALQSGNSQESVTEQDSKDSYSTLS 180
QY 201 STLTLSKADYEKKHVACVTHQGLSSPVTKSFNRGEC 238
DB 181 STLTLSKADYEKKHVACVTHQGLSSPVTKSFNRGEC 218

RESULT 5
US-09-109-207C-13
Sequence 13, Application US/09109207C
Patent No. 6172213
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of Improving Polypeptide
FILE REFERENCE: P1123R1
CURRENT APPLICATION NUMBER: US/09/109,207C
PRIOR APPLICATION NUMBER: 1998-06-30
PRIOR FILING DATE: 1997-07-03
NUMBER OF SEQ ID NOS: 44
SEQ ID NO 13
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial
FEATURE:
NAME/KEY: Artificial

LOCATION: 1-218
OTHER INFORMATION: Light chain sequence derived from MAB11
US-09-109-207C-13

Query Match 81.7%; Score 1018; DB 3; Length 218;
Best Local Similarity 88.5%; Pred. No. 2.1e-77;
Matches 193; Conservative 13; Mismatches 12; Indels 0; Gaps 0;

QY 21 DIVLTGSGTSLSPGERATLSCKASQSVYDGDSDYNNMWYQKRGQAPELLIYAASNILES 80
DB 1 DIQLTGSPSSLSASVGRVITTCRASQSVYDGDSDYNNMWYQKRGKAPKLLIYAASYLE 60
QY 81 GIDPRFSGSGSGTDFTLTTHPVEBEDAATYYCOQSNEDPTFGGTLEIKRTVAAPSVF 140
DB 61 GVPSRFSGSGSGTDFTLTISLQPEDPATYYCOQSHDPTFGGTVEIKRTVAAPSVF 120
QY 141 IPPPSDQLKSGTASVVCCLNNFPYPRAKYQWKVDNALQSGNSQESVTEQDSKDSYSTLS 200
DB 121 IPPPSDQLKSGTASVVCCLNNFPYPRAKYQWKVDNALQSGNSQESVTEQDSKDSYSTLS 180
QY 201 STLTLSKADYEKKHVACVTHQGLSSPVTKSFNRGEC 238
DB 181 STLTLSKADYEKKHVACVTHQGLSSPVTKSFNRGEC 218

RESULT 6
US-09-296-005-13
Sequence 13, Application US/09296005
Patent No. 6290957
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of Improving Polypeptides
FILE REFERENCE: P1123C1r
CURRENT APPLICATION NUMBER: US/09/296,005
PRIOR FILING DATE: 1999-04-21
EARLIER APPLICATION NUMBER: US 08/887,352
EARLIER FILING DATE: 1997-07-02
NUMBER OF SEQ ID NOS: 26
SEQ ID NO 13
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial
FEATURE:
NAME/KEY: Artificial
LOCATION: 1-218
OTHER INFORMATION: Light chain sequence derived from MAB11
US-09-296-005-13

Query Match 81.7%; Score 1018; DB 3; Length 218;
Best Local Similarity 88.5%; Pred. No. 2.1e-77;
Matches 193; Conservative 13; Mismatches 12; Indels 0; Gaps 0;

QY 21 DIVLTGSGTSLSPGERATLSCKASQSVYDGDSDYNNMWYQKRGQAPELLIYAASNILES 80
DB 1 DIQLTGSPSSLSASVGRVITTCRASQSVYDGDSDYNNMWYQKRGKAPKLLIYAASYLE 60
QY 81 GIDPRFSGSGSGTDFTLTTHPVEBEDAATYYCOQSNEDPTFGGTLEIKRTVAAPSVF 140
DB 61 GVPSRFSGSGSGTDFTLTISLQPEDPATYYCOQSHDPTFGGTVEIKRTVAAPSVF 120
QY 141 IPPPSDQLKSGTASVVCCLNNFPYPRAKYQWKVDNALQSGNSQESVTEQDSKDSYSTLS 200
DB 121 IPPPSDQLKSGTASVVCCLNNFPYPRAKYQWKVDNALQSGNSQESVTEQDSKDSYSTLS 180
QY 201 STLTLSKADYEKKHVACVTHQGLSSPVTKSFNRGEC 238
DB 181 STLTLSKADYEKKHVACVTHQGLSSPVTKSFNRGEC 218

RESULT 7
US-08-466-163B-9
Sequence 9, Application US/08466163B
Patent No. 6329509

GENERAL INFORMATION:
APPLICANT: Jardieu, Paula M.
TITLE OF INVENTION: Immunoglobulin Variants
FILE REFERENCE: P0718P2C1D1
CURRENT APPLICATION NUMBER: US/08/466,163B
PRIOR FILING DATE: 1995-06-06
PRIOR APPLICATION NUMBER: US 08/405,617
PRIOR FILING DATE: 1995-03-15
PRIOR APPLICATION NUMBER: US 08/185,899
PRIOR FILING DATE: 1994-01-26
PRIOR APPLICATION NUMBER: US 07/879,495
PRIOR FILING DATE: 1992-05-07
PRIOR APPLICATION NUMBER: US 07/744,768
PRIOR FILING DATE: 1991-08-14
NUMBER OF SEQ ID NOS: 64
SEQ ID NO 9
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial sequence
FEATURE:
OTHER INFORMATION: humanized mael, version 1, light chain
US-08-466-163B-9

Query Match 81.7%; Score 1018; DB 4; Length 218;
Best Local Similarity 88.5%; Pred. No. 2,1e-77;
Matches 193; Conservative 13; Mismatches 12; Indels 0; Gaps 0;

QY 21 DIVLTGSPGTLSPGERATLSCKASQSVYDGDSDYNNMWYQKRGKAPRLIIYAASVLE 80
DB 1 DIQLTGSPSSLASVGDRTVITTCRASKPVDBEDSYNNMWYQKRGKAPRLIIYAASVLE 60
QY 81 GIPDRFSGSGSGDFTLTTHPVEEDAAATYCCQSNEDPRTFGQGTLEIKRTVAAPSVP 140
DB 61 GVPSRFSGSGSGDFTLTISLQPEDPATYCCQSHEDPYTFGQGTVEIKRTVAAPSVP 120
QY 141 IPPPSDEQLKSGTASVVCCLNNFPYPRKAVQKVDNALQSGNSQESVTEQDSKDSSTYSLS 200
DB 121 IPPPSDEQLKSGTASVVCCLNNFPYPRKAVQKVDNALQSGNSQESVTEQDSKDSSTYSLS 180
QY 201 STLTLSKADYKHKVYACEVTHQGLSPVTKSFNRGEC 238
DB 181 STLTLSKADYKHKVYACEVTHQGLSPVTKSFNRGEC 218

RESULT 8
US-09-282-505-1
Sequence 1, Application US/09282505A
Patent No. 6194551
GENERAL INFORMATION:
APPLICANT: Eschoe Ekinaduse Idusogie et al.
TITLE OF INVENTION: Polypeptide Variants
FILE REFERENCE: P1266R1
CURRENT APPLICATION NUMBER: US/09/282,505A
CURRENT FILING DATE: 1999-03-31
NUMBER OF SEQ ID NOS: 2
SEQ ID NO 1
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
NAME/KEY: Artificial Sequence
LOCATION: 1-218
OTHER INFORMATION: Sequence is completely synthesized
Patent No. 6194551
US-09-282-505-1

Query Match 79.9%; Score 995; DB 3; Length 218;
Best Local Similarity 86.7%; Pred. No. 1,7e-75;
Matches 189; Conservative 15; Mismatches 14; Indels 0; Gaps 0;

QY 21 DIVLTGSPGTLSPGERATLSCKASQSVYDGDSDYNNMWYQKRGKAPRLIIYAASVLE 80
DB 1 DIQLTGSPSSLASVGDRTVITTCRASKPVDBEDSYNNMWYQKRGKAPRLIIYAASVLE 60

DB 1 DIQLTGSPSSLASVGDRTVITTCRASKPVDBEDSYNNMWYQKRGKAPRLIIYAASVLE 60
QY 81 GIPDRFSGSGSGDFTLTTHPVEEDAAATYCCQSNEDPRTFGQGTLEIKRTVAAPSVP 140
DB 61 GVPSRFSGSGSGDFTLTISLQPEDPATYCCQSHEDPYTFGQGTVEIKRTVAAPSVP 120
QY 141 IPPPSDEQLKSGTASVVCCLNNFPYPRKAVQKVDNALQSGNSQESVTEQDSKDSSTYSLS 200
DB 121 IPPPSDEQLKSGTASVVCCLNNFPYPRKAVQKVDNALQSGNSQESVTEQDSKDSSTYSLS 180
QY 201 STLTLSKADYKHKVYACEVTHQGLSPVTKSFNRGEC 238
DB 181 STLTLSKADYKHKVYACEVTHQGLSPVTKSFNRGEC 218

RESULT 9
US-09-054-255-1
Sequence 1, Application US/09054255
Patent No. 6242195
GENERAL INFORMATION:
APPLICANT: Eschoe Ekinaduse Idusogie et al.
TITLE OF INVENTION: Polypeptide Variants
FILE REFERENCE: P1266
CURRENT APPLICATION NUMBER: US/09/054,255
CURRENT FILING DATE: 1998-04-02
NUMBER OF SEQ ID NOS: 2
SEQ ID NO 1
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: E27 anti-IgE antibody light chain
US-09-054-255-1

Query Match 79.9%; Score 995; DB 3; Length 218;
Best Local Similarity 86.7%; Pred. No. 1,7e-75;
Matches 189; Conservative 15; Mismatches 14; Indels 0; Gaps 0;

QY 21 DIVLTGSPGTLSPGERATLSCKASQSVYDGDSDYNNMWYQKRGKAPRLIIYAASVLE 80
DB 1 DIQLTGSPSSLASVGDRTVITTCRASKPVDBEDSYNNMWYQKRGKAPRLIIYAASVLE 60
QY 81 GIPDRFSGSGSGDFTLTTHPVEEDAAATYCCQSNEDPRTFGQGTLEIKRTVAAPSVP 140
DB 61 GVPSRFSGSGSGDFTLTISLQPEDPATYCCQSHEDPYTFGQGTVEIKRTVAAPSVP 120
QY 141 IPPPSDEQLKSGTASVVCCLNNFPYPRKAVQKVDNALQSGNSQESVTEQDSKDSSTYSLS 200
DB 121 IPPPSDEQLKSGTASVVCCLNNFPYPRKAVQKVDNALQSGNSQESVTEQDSKDSSTYSLS 180
QY 201 STLTLSKADYKHKVYACEVTHQGLSPVTKSFNRGEC 238
DB 181 STLTLSKADYKHKVYACEVTHQGLSPVTKSFNRGEC 218

RESULT 10
US-09-282-846-1
Sequence 1, Application US/09282846
Patent No. 652662A
GENERAL INFORMATION:
APPLICANT: Eschoe Ekinaduse Idusogie et al.
TITLE OF INVENTION: Polypeptide Variants
FILE REFERENCE: P1266R2
CURRENT APPLICATION NUMBER: US/09/282,846
CURRENT FILING DATE: 1999-03-31
NUMBER OF SEQ ID NOS: 2
SEQ ID NO 1
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
NAME/KEY: Artificial Sequence
LOCATION: 1-218

OTHER INFORMATION: Sequence is completely synthesized
; Patent No. 6528624
US-09-282-846-1

Query Match 79.9%; Score 995; DB 4; Length 218;
Best Local Similarity 86.7%; Pred. No. 1.7e-75;
Matches 189; Conservative 15; Mismatches 14; Indels 0; Gaps 0;

QY 21 DIVVTGSPGTLISLPGERATLSCASQSVYDGDSDYNNMWYQKPGQAPRLIIVASNIIES 80
DB 1 DIQLTGSPSLASVGBRVITTCRAKSPVDEGSDSYNNMWYQKPGKAPKLLIIVASNIIES 60

QY 81 GIDPRFSGSGSGTDPFTLTIHVEBEDAATYCCQSNEDPRTFGGCTLEIKRTVAAPSVP 140
DB 61 GVPBRFSGSGSGTDPFTLTIHVEBEDAATYCCQSNEDPRTFGGCTLEIKRTVAAPSVP 120

QY 141 IPPPSDEQLKSGTASVCLNNFYPRAKQOMKVDNALQSGNSQESVTEODSKDSTYSLS 200
DB 121 IPPPSDEQLKSGTASVCLNNFYPRAKQOMKVDNALQSGNSQESVTEODSKDSTYSLS 180

QY 201 STLTLSKADYKHKVYACVETHQGLSSPVTKSFNRGEC 238
DB 181 STLTLSKADYKHKVYACVETHQGLSSPVTKSFNRGEC 218

RESULT 11
US-09-680-145-1
; Sequence 1, Application US/09680145
; Patent No. 6538124
; GENERAL INFORMATION:
; APPLICANT: Eschoe Ekinadese Idusogie et al.
; TITLE OF INVENTION: Polypeptide Variants
; FILE REFERENCE: P1266R1
; CURRENT APPLICATION NUMBER: US/09/680,145
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 09/282,505
; NUMBER OF SEQ ID NOS: 2
; SEQ ID NO 1
; LENGTH: 218
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: Artificial Sequence
; LOCATION: 1-218
; OTHER INFORMATION: Sequence is completely synthesized
; Patent No. 6538124
US-09-680-145-1

Query Match 79.9%; Score 995; DB 4; Length 218;
Best Local Similarity 86.7%; Pred. No. 1.7e-75;
Matches 189; Conservative 15; Mismatches 14; Indels 0; Gaps 0;

QY 21 DIVVTGSPGTLISLPGERATLSCASQSVYDGDSDYNNMWYQKPGQAPRLIIVASNIIES 80
DB 1 DIQLTGSPSLASVGBRVITTCRAKSPVDEGSDSYNNMWYQKPGKAPKLLIIVASNIIES 60

QY 81 GIDPRFSGSGSGTDPFTLTIHVEBEDAATYCCQSNEDPRTFGGCTLEIKRTVAAPSVP 140
DB 61 GVPBRFSGSGSGTDPFTLTIHVEBEDAATYCCQSNEDPRTFGGCTLEIKRTVAAPSVP 120

QY 141 IPPPSDEQLKSGTASVCLNNFYPRAKQOMKVDNALQSGNSQESVTEODSKDSTYSLS 200
DB 121 IPPPSDEQLKSGTASVCLNNFYPRAKQOMKVDNALQSGNSQESVTEODSKDSTYSLS 180

QY 201 STLTLSKADYKHKVYACVETHQGLSSPVTKSFNRGEC 238
DB 181 STLTLSKADYKHKVYACVETHQGLSSPVTKSFNRGEC 218

RESULT 12
US-08-887-352B-15
; Sequence 15, Application US/08887352B

Patent No. 5994511
; GENERAL INFORMATION:
; APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
; TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESS: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080

COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Winpatin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,352B
; FILING DATE: 03-Jul-1997
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Syvoboda, Craig G.
; REGISTRATION NUMBER: 39,044
; REFERENCE/DOCKET NUMBER: P1123
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-1489
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 218 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
US-08-887-352B-15

Query Match 79.6%; Score 992; DB 2; Length 218;
Best Local Similarity 86.2%; Pred. No. 3.1e-75;
Matches 188; Conservative 16; Mismatches 14; Indels 0; Gaps 0;

QY 21 DIVVTGSPGTLISLPGERATLSCASQSVYDGDSDYNNMWYQKPGQAPRLIIVASNIIES 80
DB 1 DIQLTGSPSLASVGBRVITTCRAKSPVDEGSDSYNNMWYQKPGKAPKLLIIVASNIIES 60

QY 81 GIDPRFSGSGSGTDPFTLTIHVEBEDAATYCCQSNEDPRTFGGCTLEIKRTVAAPSVP 140
DB 61 GVPBRFSGSGSGTDPFTLTIHVEBEDAATYCCQSNEDPRTFGGCTLEIKRTVAAPSVP 120

QY 141 IPPPSDEQLKSGTASVCLNNFYPRAKQOMKVDNALQSGNSQESVTEODSKDSTYSLS 200
DB 121 IPPPSDEQLKSGTASVCLNNFYPRAKQOMKVDNALQSGNSQESVTEODSKDSTYSLS 180

QY 201 STLTLSKADYKHKVYACVETHQGLSSPVTKSFNRGEC 238
DB 181 STLTLSKADYKHKVYACVETHQGLSSPVTKSFNRGEC 218

RESULT 13
US-08-887-352B-17
; Sequence 17, Application US/08887352B
; Patent No. 5994511
; GENERAL INFORMATION:
; APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
; TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESS: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080

```

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-17

Query Match          79.6%; Score 992; DB 2; Length 218;
Best Local Similarity 86.2%; Pred. No. 3,1e-75;
Matches 188; Conservative 16; Mismatches 14; Indels 0; Gaps 0;

QY      21 DIVLTGSGPGLSLSPGERATLSCKASQSVDYDGDSTNMTYYQKRGQAFLILYAASNTLS 80
        |||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||
DB       1 DIQLTGPSLSIASVGGDRVTITCRASKPVVGEDSDYLNTWYQQKGKRAPLLILYAASYLS 60
QY      81 GIPIRFEGSSGNDFTLTHIPVEEDAATYYCCQSNEDPRTPCGGRRLRIKRTVAAPSVF 140
        |||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||
DB       61 GVPERFSGSSGNDFTLTLISSLPPEPATYYCQSHSDPTTFQGTVKEIKRTVAAPSVF 120
QY      141 IFFPSDSQLSGTSVVCLLNPFYPREAKQVMYDNALSGNSQESVTSKQDSKDSITYSL 200
        |||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||
DB       121 IFFPSDSQLSGTSVVCLLNPFYPREAKQVMYDNALSGNSQESVTSKQDSKDSITYSL 180
QY      201 STLTLSRADYEKKHVKVACEVTHOGLSGSPVTKSFNRGEC 238
        |||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||
DB       181 STLTLSRADYEKKHVKVACEVTHOGLSGSPVTKSFNRGEC 218

RESULT 14
US-08-887-352B-19
Sequence 19, Application US/08887352B
Patent No. 5994511
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of
TITLE OF INVENTION: Improving Polypeptides
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
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; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-1489
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 218 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
;
US-08-887-352B-19

Query Match 79.6%; Score 992; DB 2; Length 218;
Best Local Similarity 86.2%; Pred. No. 3.1e-75;
Matches 188; Conservative 16; Mismatches 14; Indels 0; Gaps 0;

QY 21 DIVLTQSPGTLSPSPERATLSCSKASQSYDYGDSYMMYVQOKPQAPLLIYAASNTS 80
Db 1 DILQTLSPSSLASVSDRVTITCRASKPYDGGSDTLNMYQKPGKAPLLIYAASNTS 60
QY 81 GIPDRSGSGSGGDTFTLTTHPYEEDDAATYYCQSGNEDPRFGQGTRELKETVAAPSVF 140
Db 61 GVSRRSRSGSGSGDTFTLTISLQIPDPFATYYCQGSHEDPYTGQGTKEIKTVAAPSVF 120
QY 141 IFFPSDEQLKSGTASYVCLINNFYPREAVYQKVDNALQSGNSQESYVEQDSKSTYSL 200
Db 121 IFFPSDEQLKSGTASYVCLINNFYPREAVYQKVDNALQSGNSQESYVEQDSKSTYSL 180
QY 201 STLTSLKADYERKHVYACEVTQGLSPPTKSPNNGEC 238
Db 181 STLTSLKADYERKHVYACEVTQGLSPPTKSPNNGEC 218

RESULT 15
US-08-887-352B-24
; Sequence 24, Application US/08887352B
; Patent No. 5994511
; GENERAL INFORMATION:
; APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
; TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Winpacin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,352B
; FILING DATE: 03-Jul-1997
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Svoboda, Craig G.
; REGISTRATION NUMBER: 39,044
; REFERENCE/DOCKET NUMBER: P1123
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-1489
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 218 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
;
US-08-887-352B-24

Query Match 79.6%; Score 992; DB 2; Length 218;
Best Local Similarity 86.2%; Pred. No. 3.1e-75;
Matches 188; Conservative 16; Mismatches 14; Indels 0; Gaps 0;

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QY 21 DIVLTQSPGTLSLSPGERATLSCAASQSVYDGDYNNMTYQOKPGQAPRLIYAASNLIS 80
Db 1 DIQLTQSPSLASVGRVITTCRAKRPVGGEGSTYNNMTYQOKPKAPKLLIYAASYLEIS 60
QY 81 GIDPRFSGSGGTDFLTTHPVEEEDATYYCQGSNEDPRTFGQTRLEIKRTVAAPSVF 140
Db 61 GVPDRFSGSGGTDFLTTHPVEEEDATYYCQGSNEDPRTFGQTRLEIKRTVAAPSVF 120
QY 141 IPPPSDQQLKSGTASVVCCLNNFPYPRKAYQWKVDNALQSGNSQESVTEQDSKDSTYSLS 200
Db 121 IPPPSDQQLKSGTASVVCCLNNFPYPRKAYQWKVDNALQSGNSQESVTEQDSKDSTYSLS 180
QY 201 STLTLSKADYKHKVYACEVTHOGLSSPTKSPFRGEC 238
Db 181 STLTLSKADYKHKVYACEVTHOGLSSPTKSPFRGEC 218

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: February 20, 2004, 13:31:02 ; Search time 18.0486 Seconds
(without alignments)

2761.047 Million cell updates/sec

Title: US-09-499-662-50

Perfect score: 1242
Sequence: 1 METDTLLWLLWVPGSTG.....EYTHQGLSPVTSFNRGEC 238

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 801455 seqs, 209382283 residues

Total number of hits satisfying chosen parameters: 801455

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Listing first 45 summaries

Database :

Published Applications AA:*

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- 2: /cgn2_6/prodata/1/pubppaa/PC7_NEW_PUB.pep:*
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- 9: /cgn2_6/prodata/1/pubppaa/US09_PUBCOMB.pep:*
- 10: /cgn2_6/prodata/1/pubppaa/US09B_PUBCOMB.pep:*
- 11: /cgn2_6/prodata/1/pubppaa/US09C_PUBCOMB.pep:*
- 12: /cgn2_6/prodata/1/pubppaa/US09_NEW_PUB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	1242	100.0	238	15	US-10-216-484-50 Sequence 50, App1
3	1230	99.0	238	12	US-10-384-933-107 Sequence 107, App
4	1230	99.0	238	15	US-10-216-484-107 Sequence 107, App
5	1202	96.8	238	12	US-10-384-933-52 Sequence 52, App1
6	1202	96.8	238	15	US-10-216-484-52 Sequence 52, App1
7	1195	96.2	238	12	US-10-384-933-109 Sequence 109, App
8	1195	96.2	238	15	US-10-216-484-109 Sequence 109, App
9	1194	96.1	238	12	US-10-384-933-54 Sequence 54, App1
10	1194	96.1	238	15	US-10-216-484-54 Sequence 54, App1
11	1172	94.4	238	12	US-10-384-933-129 Sequence 129, App
12	1172	94.4	238	15	US-10-216-484-129 Sequence 129, App
13	1169	94.1	238	12	US-10-384-933-131 Sequence 131, App
14	1169	94.1	238	15	US-10-216-484-131 Sequence 131, App
15	1168	94.0	238	12	US-10-384-933-127 Sequence 127, App

16	1168	94.0	238	15	US-10-216-484-127	Sequence 127, App
17	1134	91.3	238	12	US-10-353-708-38	Sequence 38, App1
18	1134	91.3	238	15	US-10-353-708-56	Sequence 56, App1
19	1134	91.3	238	15	US-10-171-452A-38	Sequence 38, App1
20	1134	91.3	238	15	US-10-171-452A-56	Sequence 56, App1
21	1124	90.5	238	12	US-10-353-708-44	Sequence 44, App1
22	1124	90.5	238	15	US-10-353-708-50	Sequence 50, App1
23	1124	90.5	238	15	US-10-171-452A-44	Sequence 44, App1
24	1124	90.5	238	15	US-10-171-452A-50	Sequence 50, App1
25	1061.5	85.5	235	15	US-10-153-382-7	Sequence 7, App1
26	1048	84.4	236	10	US-09-859-053-34	Sequence 34, App1
27	1047	84.3	234	9	US-09-153-382-15	Sequence 15, App1
28	1045	84.1	218	5	US-09-917-410-2	Sequence 2, App1
29	1044.5	84.1	233	15	US-10-153-382-11	Sequence 11, App1
30	1040	83.7	236	10	US-09-859-053-38	Sequence 38, App1
31	1038	83.6	218	11	US-09-925-179-67	Sequence 67, App1
32	1036	83.4	218	12	US-10-449-566-98	Sequence 98, App1
33	1033	83.2	240	12	US-10-159-006-36	Sequence 36, App1
34	1031	83.0	218	9	US-09-802-077-9	Sequence 9, App1
35	1031	83.0	218	9	US-09-802-096-9	Sequence 9, App1
36	1031	83.0	218	9	US-09-920-171-13	Sequence 13, App1
37	1031	83.0	218	11	US-09-925-179-9	Sequence 9, App1
38	1031	83.0	218	12	US-10-113-996-13	Sequence 13, App1
39	1026.5	82.6	384	12	US-10-291-265-804	Sequence 804, App
40	1026.5	82.6	384	12	US-10-291-265-805	Sequence 805, App
41	1026.5	82.6	384	12	US-10-291-265-806	Sequence 806, App
42	1026.5	82.6	384	12	US-10-291-265-807	Sequence 807, App
43	1026	82.6	218	12	US-10-353-708-39	Sequence 39, App1
44	1026	82.6	218	12	US-10-353-708-57	Sequence 57, App1
45	1026	82.6	218	15	US-10-171-452A-39	Sequence 39, App1

ALIGNMENTS

RESULT 1
US-10-384-933-50
Sequence 50, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384, 933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/459, 662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053, 583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 50
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-50

Query Match 100.0%; Score 1242; DB 12; Length 238;
Best local similarity 100.0%; Pred. No. 7.9e-90;
Matches 238; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 METDTLLWLLWVPGSTGDIYVLTQSPGTLISGGERATLSCRAQSVDYDGSYNNWY 60
DB 1 METDTLLWLLWVPGSTGDIYVLTQSPGTLISGGERATLSCRAQSVDYDGSYNNWY 60
QY 61 QQRGQAPRLIYVAASTLSEGIPIRFGSGSGNDFTLTISRLRPAVAVYCCQSNDR 120

Db 61 QOKRGAAPRLIYAASNLSEGIPIPRFSGSGGTDTFTLTISRLEPADFAVYYCOQSNEDPR 120
Qy 121 TFGGTRLEIKRTVAAPSVFIIPPSPDEQLKSGTASVCLNNFYPRBAKVOMKVDNALQS 180
Db 121 TFGGTRLEIKRTVAAPSVFIIPPSPDEQLKSGTASVCLNNFYPRBAKVOMKVDNALQS 180
Qy 181 GNSQSVTEQDSKQSTYSLSTLTLSKADYERKRVYACEVTHQGLSSPVTKSPNRGEC 238
Db 181 GNSQSVTEQDSKQSTYSLSTLTLSKADYERKRVYACEVTHQGLSSPVTKSPNRGEC 238

RESULT 2
US-10-216-484-50
Sequence 50, Application US/10216484
Publication No. US20030103976A1

GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT FILING DATE: 2002-08-09
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 50
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURES:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-50

Query Match 100.0%; Score 1242; DB 15; Length 238;
Best Local Similarity 100.0%; Pred. No. 7.9e-90;
Matches 238; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 METDTILLWVLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNNWY 60
Db 1 METDTILLWVLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNNWY 60
Qy 61 QOKRGAAPRLIYAASNLSEGIPIPRFSGSGGTDTFTLTISRLEPADFAVYYCOQSNEDPR 120
Db 61 QOKRGAAPRLIYAASNLSEGIPIPRFSGSGGTDTFTLTISRLEPADFAVYYCOQSNEDPR 120
Qy 121 TFGGTRLEIKRTVAAPSVFIIPPSPDEQLKSGTASVCLNNFYPRBAKVOMKVDNALQS 180
Db 121 TFGGTRLEIKRTVAAPSVFIIPPSPDEQLKSGTASVCLNNFYPRBAKVOMKVDNALQS 180
Qy 181 GNSQSVTEQDSKQSTYSLSTLTLSKADYERKRVYACEVTHQGLSSPVTKSPNRGEC 238
Db 181 GNSQSVTEQDSKQSTYSLSTLTLSKADYERKRVYACEVTHQGLSSPVTKSPNRGEC 238

RESULT 3
US-10-384-933-107
Sequence 107, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933

CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 107
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURES:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-107

Query Match 99.0%; Score 1230; DB 12; Length 238;
Best Local Similarity 98.7%; Pred. No. 6.9e-89;
Matches 235; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 METDTILLWVLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNNWY 60
Db 1 METDTILLWVLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNNWY 60
Qy 61 QOKRGAAPRLIYAASNLSEGIPIPRFSGSGGTDTFTLTISRLEPADFAVYYCOQSNEDPR 120
Db 61 QOKRGAAPRLIYAASNLSEGIPIPRFSGSGGTDTFTLTISRLEPADFAVYYCOQSNEDPR 120
Qy 121 TFGGTRLEIKRTVAAPSVFIIPPSPDEQLKSGTASVCLNNFYPRBAKVOMKVDNALQS 180
Db 121 TFGGTRLEIKRTVAAPSVFIIPPSPDEQLKSGTASVCLNNFYPRBAKVOMKVDNALQS 180
Qy 181 GNSQSVTEQDSKQSTYSLSTLTLSKADYERKRVYACEVTHQGLSSPVTKSPNRGEC 238
Db 181 GNSQSVTEQDSKQSTYSLSTLTLSKADYERKRVYACEVTHQGLSSPVTKSPNRGEC 238

RESULT 4
US-10-216-484-107
Sequence 107, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:

APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT FILING DATE: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 107
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURES:

OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-107

Query Match 99.0%; Score 1230; DB 15; Length 238;
Best Local Similarity 98.7%; Pred. No. 6.9e-89;
Matches 235; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 METDTILLWVLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNNWY 60
Db 1 METDTILLWVLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNNWY 60
Qy 61 QOKRGAAPRLIYAASNLSEGIPIPRFSGSGGTDTFTLTISRLEPADFAVYYCOQSNEDPR 120

Db	QY	Db	QY
61	QQRGQAPRLIIYYAANTLSEGIPIDRSSGSGSTDTLTLITSRLEPEDFAVNYVCCQGSNEDPR	121	TFCQGRLEIKRTVAAPSVFIIPPSDEQLKSGTASVCLINNFYREKNQWKDNLQSL
		121	TFCGCTGLERIKRTVAAPSVFIIPPSDEQLKSGTASVCLINNFYREKNQWKDNLQSL
		181	GNQGSASTBEDSDSTYSLSSTLTLSKADYEKHKYAAVEITHQGLSFPVTSFNRGEC
		181	GNQGSASTBEDSDSTYSLSSTLTLSKADYEKHKYAAVEITHQGLSFPVTSFNRGEC
		238	GNQGSASTBEDSDSTYSLSSTLTLSKADYEKHKYAAVEITHQGLSFPVTSFNRGEC

```

RESULT 5
US-10-384-933-52
Sequence 52, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tobru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126C1P/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 52
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-52

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```

RESULT 6
US-10-216-484-52
; Sequence 52, Application US/10216484
; Publication NO. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Hariyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuo
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Pas Antibodies
; FILE REFERENCE: 980126CIP/HG

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1 CURRENT APPLICATION NUMBER: US/10/216,484
2 CURRENT FILING DATE: 2002-08-09
3 PRIOR APPLICATION NUMBER: US/09/499,662
4 PRIOR FILING DATE: 2000-02-09
5 PRIOR APPLICATION NUMBER: US 09/053,583
6 PRIOR FILING DATE: 1998-04-01
7 NUMBER OF SEQ ID NOS: 165
8 SEQ ID NO 52
9 LENGTH: 238
10 TYPE: PRT
11 ORGANISM: Artificial Sequence
12 FEATURE:
13 OTHER INFORMATION: Description of Artificial Sequence: Designed light
14 US-10-216-484-52 chain of humanized anti-Fas antibody

```

```

1  RESULT 7
2  US-10-384-933-109
3  / Sequence 109, Application US/10384933
4  / Publication No. US20030170817A1
5  /
6  / GENERAL INFORMATION:
7  / APPLICANT: Serizawa, No. US20030170817A1ufusa
8  / APPLICANT: Haruyama, Hideyuki
9  / APPLICANT: Nakahara, Kaori
10 / APPLICANT: Tamaki, Ikuko
11 / APPLICANT: Takahashi, Tohru
12 / TITLE OF INVENTION: Anti-Pas Antibodies
13 / FILE REFERENCE: 980126CIP/HG
14 / CURRENT APPLICATION NUMBER: US/10/384,933
15 / CURRENT FILING DATE: 2003-02-05
16 / PRIOR APPLICATION NUMBER: US/09/499,662
17 / PRIOR FILING DATE: 2000-02-09
18 / PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
19 / PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
20 / NUMBER OF SEQ ID NOS: 165
21 /
22 / SEQ ID NO 109
23 /
24 / LENGTH: 238
25 /
26 / TYPE: PRT
27 /
28 / ORGANISM: Artificial Sequence
29 /
30 / FEATURE:
31 / OTHER INFORMATION: Description of Artificial Sequence: Designed light
32 / OTHER INFORMATION: chain of humanized anti-Pas antibody
33 /
34 / US-10-384-933-109

```

Query Match Similarity	96.2%	Score 1195	DB 12	Length 238
Best Local Similarity	96.2%	Pred. No. 3.8e-86		
Matches	229	Conservative	3	Mismatches 6, Indels 0, Gaps 0

QY	1	METDTITLMTLMTLWPGSTGRIVLTQSGCTSLSPGRRATLSCKRSQSVDDYDGSYMMY	60
Db	1	METDTITLMTLMTLWPGSTGRIVLTQSGCTSLSPGRRATLSCKRSQSVDDYDGSYMMY	60

Qy 61 QOKGQAPRLIYAASNLSEGIPIPRFSGSGGTDTFTLTISRLEPADFAVYTCQGSNEDPR 120
Db 61 QOKGQAPRLIYAASNLSEGIPIPRFSGSGGTDTFTLTISRLEPADFAVYTCQGSNEDPR 120
Qy 121 TFGGCTLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPRKAKVOMKVDNALQS 180
Db 121 TFGGCTLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPRKAKVOMKVDNALQS 180
Qy 181 GNSQSVTEQDSKQSTYSLSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
Db 181 GNSQSVTEQDSKQSTYSLSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

RESULT 8
US-10-216-484-109
; Sequence 109, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT FILING DATE: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 109
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-109

Query Match 96.2%; Score 1195; DB 15; Length 238;
Best Local Similarity 96.2%; Pred. No. 3.8e-86;
Matches 229; Conservative 3; Mismatches 6; Indels 0; Gaps 0;
Qy 1 METDTILMWLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQVDYDGSYNMWY 60
Db 1 METDTILMWLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQVDYDGSYNMWY 60
Qy 61 QOKGQAPRLIYAASNLSEGIPIPRFSGSGGTDTFTLTISRLEPADFAVYTCQGSNEDPR 120
Db 61 QOKGQAPRLIYAASNLSEGIPIPRFSGSGGTDTFTLTISRLEPADFAVYTCQGSNEDPR 120
Qy 121 TFGGCTLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPRKAKVOMKVDNALQS 180
Db 121 TFGGCTLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPRKAKVOMKVDNALQS 180
Qy 181 GNSQSVTEQDSKQSTYSLSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
Db 181 GNSQSVTEQDSKQSTYSLSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

RESULT 9
US-10-384-933-54
; Sequence 54, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies

; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 54
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-54

Query Match 96.1%; Score 1194; DB 12; Length 238;
Best Local Similarity 96.2%; Pred. No. 4.6e-86;
Matches 229; Conservative 2; Mismatches 7; Indels 0; Gaps 0;
Qy 1 METDTILMWLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQVDYDGSYNMWY 60
Db 1 METDTILMWLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQVDYDGSYNMWY 60
Qy 61 QOKGQAPRLIYAASNLSEGIPIPRFSGSGGTDTFTLTISRLEPADFAVYTCQGSNEDPR 120
Db 61 QOKGQAPRLIYAASNLSEGIPIPRFSGSGGTDTFTLTISRLEPADFAVYTCQGSNEDPR 120
Qy 121 TFGGCTLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPRKAKVOMKVDNALQS 180
Db 121 TFGGCTLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPRKAKVOMKVDNALQS 180
Qy 181 GNSQSVTEQDSKQSTYSLSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
Db 181 GNSQSVTEQDSKQSTYSLSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

RESULT 10
US-10-216-484-54
; Sequence 54, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT FILING DATE: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 54
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-54

Query Match 96.1%; Score 1194; DB 15; Length 238;
Best Local Similarity 96.2%; Pred. No. 4.6e-86;
Matches 229; Conservative 2; Mismatches 7; Indels 0; Gaps 0;
Qy 1 METDTILMWLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQVDYDGSYNMWY 60
Db 1 METDTILMWLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQVDYDGSYNMWY 60

Qy	6	QQRPGQAPRLIIYAAANLNLSSGIPDRSGSGSGDFTLITSLREPPADPVMYICQOQSNEDPR	120
Db	61	QQRPGQAPRLIIYAAANLNLSSGIPDRSGSGSGDFTLITSLREPPADPVMYICQOQSNEDPR	120
Qy	121	TFPGQTRLEIKRTVAAPSVFIIPPSPDQKSGTASVCIANNFYPRKAKVQMKDNLQSG	180
Db	121	TFPGQTRLEIKRTVAAPSVFIIPPSPDQKSGTASVCIANNFYPRKAKVQMKDNLQSG	180
Qy	181	GNQSQSTVEQDSKDSITSLSTLTLSKADYEKKYKAYACEVTHQGLSPVYTSFNRGCG	238
Db	181	GNQSQSTVEQDSKDSITSLSTLTLSKADYEKKYKAYACEVTHQGLSPVYTSFNRGCG	238

```

1      RESULT 11
2      US-10-384-933-129
3      Sequence 129, Application US/10384933
4      Publication No. US20030170817A1
5      GENERAL INFORMATION:
6      APPLICANT: Serizawa, No. US20030170817A1ufusa
7      APPLICANT: Haruyama, Hideyuki
8      APPLICANT: Nakahara, Kaori
9      APPLICANT: Tamaki, Ikuko
10     APPLICANT: Takahashi, Toru
11     TITLE OF INVENTION: Anti-Pas Antibodies
12     FILE REFERENCE: 980126CIP/HG
13     CURRENT APPLICATION NUMBER: US/10/384,933
14     CURRENT FILING DATE: 2003-02-05
15     PRIOR APPLICATION NUMBER: US/09/499,662
16     PRIOR FILING DATE: 2000-02-09
17     PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
18     PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
19     NUMBER OF SEQ ID NOS: 165
20     SEQ ID NO 129
21     LENGTH: 238
22     TYPE: PRT
23     ORGANISM: Artificial Sequence
24     FEATURE:
25     OTHER INFORMATION: Description of Artificial Sequence: Designed light
26     OTHER INFORMATION: chain of humanized anti-Pas antibody
27     US-10-384-933-129

```

	Query Match	94.4%;	Score 1172;	DB 12;	length 238;
	Best Local Similarity	92.9%;	Pred. No. 2-4e-84;		
	Matches 221;	Conservative 9;	Mismatches 8;	Indels 0;	Gaps 0
QY	1	MTDTTLLWVLLIMVDSGTDIVLTQSPGTLISPGSRATISCKASQSDVDYDGSYNNWY	60		
Db	1	MTDTTLLWVLLIMVDSGTDIVLTQSPGTLISASVGRVITLICKASQSDVDYDGSYNNWY	60		
QY	61	QQRGGAPRLIIYAASNTESGIPDRSSGSGSTDPITRLSPLEAPDAFVYCCQSNEDPR	120		
Db	61	QQRGGAPRLIIYAASNTESGVPSSRSGSGSTDPITLISLQPEDPAFVYCCQSNEDPR	120		
QY	121	TFPGQTRLEIKRTVAAPSVFIPEPDSDEQKSGTASVCLNNFYREAKVGMKVDNALQS	180		
Db	121	TFPGQTRLEIKRTVAAPSVFIPEPDSDEQKSGTASVCLNNFYREAKVGMKVDNALQS	180		
QY	181	GNQGSVYTRDSDKOSTYSLSTTLTKADYBEKRYKAYACVTHQGLSPVYTSFRRGEC	238		
Db	181	GNQGSVYTRDSDKOSTYSLSTTLTKADYBEKRYKAYACVTHQGLSPVYTSFRRGEC	238		

RESULT 12
US-10-216-484-129
Sequence 129, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Setizawa, No. US20030103976A1ufusea
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takaki, Ikuko
APPLICANT: Takahashi, Tōhru

```

1  TITLE INVENTION: Anti-Pas Antibodies
2  FILE REFERENCE: 980126CIP/HG
3  CURRENT APPLICATION NUMBER: US/01/216,484
4  CURRENT FILING DATE: 2002-08-09
5  PRIOR APPLICATION NUMBER: US/09/499,662
6  PRIOR FILING DATE: 2000-02-09
7  PRIOR APPLICATION NUMBER: US 09/053,583
8  PRIOR FILING DATE: 1998-04-01
9  NUMBER OF SEQ ID NOS: 165
10 SEQ ID NO 129
11 LENGTH: 238
12 TYPE: PRT
13 ORGANISM: Artificial Sequence
14 FEATURE:
15 OTHER INFORMATION: Description of Artificial Sequence: Designed 11ghtn
16 OTHER INFORMATION: chain of humanized anti-Pas antibody
17 US-10-216-484-129

```

Query Match	Similarity	94.4%	Score 1172	DB 15	Length 238
Best Local	Similarity	92.9%	Pred. No. 2,4e-84		
Matches	221	Conservative	9	Mismatches	8
				Indels	0
				Gaps	0

RESULT 13
 US-10-384-933-131
 Sequence 131, Application US/10384933
 Publication No. US20030170817A1
 GENERAL INFORMATION:
 APPLICANT: Serizawa, No. US20030170817A1ufusa
 APPLICANT: Haruyama, Hideyuki
 APPLICANT: Nakahara, Kaori
 APPLICANT: Tamaki, Ikuko
 APPLICANT: Takahashi, Tohru
 TITLE OF INVENTION: Anti-Fas Antibodies
 FILE REFERENCE: 980126C1P/HG
 CURRENT APPLICATION NUMBER: US/10/384,933
 CURRENT FILING DATE: 2003-02-05
 PRIOR APPLICATION NUMBER: US/09/499,662
 PRIOR FILING DATE: 2000-02-09
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
 PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
 NUMBER OF SEQ ID NOS: 165
 SEQ ID NO 131
 LENGTH: 238
 TYPE: PRT
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: Description of Artificial Sequence: Designed light
 OTHER INFORMATION: chain of humanized anti-Fas antibody
 US-10-384-933-131

```

Query Match          94.1%; Score 1169; DB 12; Length 238;
Best Local Similarity 92.9%; Pred. No. 4.2e-84;
Matches 221; Conservative 9; Mismatches 8; Indels 0; Gaps 0
QY      1 M E T D I I L L W L L W P G S T G I V I L T Q S G C T L S L S R G E A T L S C K A S Q S V D Y G D S Y M M N Y 60
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Db      1 METDTLLWVLLMWPGSTGDIIVLTQSPSSLSASVGRVITTCASQSVYDGDSDYNNMY 60
Qy      61 OQKPGQAPRLIYAASNLSSGIPDRSGSGSGTDFTLTISRLEPADFAVYYCOQSNEDPR 120
        61 OQKPGKAPRLIYAASNLSSGIPSRPSGSGSGTDFTLTISRLEPADFAVYYCOQSNEDPR 120
Db      121 TFGQGTREIKRTVAAPSVFIFPPSDEQKSGTASVYVCLINNYPREAKVQWKNVDNALQS 180
        121 TFGQGTREIKRTVAAPSVFIFPPSDEQKSGTASVYVCLINNYPREAKVQWKNVDNALQS 180
Qy      121 TFGQGTREIKRTVAAPSVFIFPPSDEQKSGTASVYVCLINNYPREAKVQWKNVDNALQS 180
        121 TFGQGTREIKRTVAAPSVFIFPPSDEQKSGTASVYVCLINNYPREAKVQWKNVDNALQS 180
Db      121 TFGQGTREIKRTVAAPSVFIFPPSDEQKSGTASVYVCLINNYPREAKVQWKNVDNALQS 180
        121 TFGQGTREIKRTVAAPSVFIFPPSDEQKSGTASVYVCLINNYPREAKVQWKNVDNALQS 180
Qy      181 GNSQESVTEQDSKDSSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
        181 GNSQESVTEQDSKDSSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
Db      181 GNSQESVTEQDSKDSSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238

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RESULT 14
US-10-216-484-131
; Sequence 131, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 131
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-131

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Query Match      94.1%; Score 1169; DB 15; Length 238;
Best Local Similarity 92.9%; Pred. No. 4.2e-84;
Matches 221; Conservative 9; Mismatches 8; Indels 0; Gaps 0;

Qy      1 METDTLLWVLLMWPGSTGDIIVLTQSPGTLSPGERATLSCASQSVYDGDSDYNNMY 60
        1 METDTLLWVLLMWPGSTGDIIVLTQSPSSLSASVGRVITTCASQSVYDGDSDYNNMY 60
Db      1 METDTLLWVLLMWPGSTGDIIVLTQSPSSLSASVGRVITTCASQSVYDGDSDYNNMY 60
        1 METDTLLWVLLMWPGSTGDIIVLTQSPSSLSASVGRVITTCASQSVYDGDSDYNNMY 60
Qy      61 OQKPGQAPRLIYAASNLSSGIPDRSGSGSGTDFTLTISRLEPADFAVYYCOQSNEDPR 120
        61 OQKPGKAPRLIYAASNLSSGIPSRPSGSGSGTDFTLTISRLEPADFAVYYCOQSNEDPR 120
Db      61 OQKPGKAPRLIYAASNLSSGIPSRPSGSGSGTDFTLTISRLEPADFAVYYCOQSNEDPR 120
        61 OQKPGKAPRLIYAASNLSSGIPSRPSGSGSGTDFTLTISRLEPADFAVYYCOQSNEDPR 120
Qy      121 TFGQGTREIKRTVAAPSVFIFPPSDEQKSGTASVYVCLINNYPREAKVQWKNVDNALQS 180
        121 TFGQGTREIKRTVAAPSVFIFPPSDEQKSGTASVYVCLINNYPREAKVQWKNVDNALQS 180
Db      121 TFGQGTREIKRTVAAPSVFIFPPSDEQKSGTASVYVCLINNYPREAKVQWKNVDNALQS 180
        121 TFGQGTREIKRTVAAPSVFIFPPSDEQKSGTASVYVCLINNYPREAKVQWKNVDNALQS 180
Qy      181 GNSQESVTEQDSKDSSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
        181 GNSQESVTEQDSKDSSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
Db      181 GNSQESVTEQDSKDSSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238

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RESULT 15
US-10-384-933-127
; Sequence 127, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko

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; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 127
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-127

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Query Match      94.0%; Score 1168; DB 12; Length 238;
Best Local Similarity 92.4%; Pred. No. 5e-84;
Matches 220; Conservative 10; Mismatches 8; Indels 0; Gaps 0;

Qy      1 METDTLLWVLLMWPGSTGDIIVLTQSPGTLSPGERATLSCASQSVYDGDSDYNNMY 60
        1 METDTLLWVLLMWPGSTGDIIVLTQSPSSLSASVGRVITTCASQSVYDGDSDYNNMY 60
Db      1 METDTLLWVLLMWPGSTGDIIVLTQSPSSLSASVGRVITTCASQSVYDGDSDYNNMY 60
        1 METDTLLWVLLMWPGSTGDIIVLTQSPSSLSASVGRVITTCASQSVYDGDSDYNNMY 60
Qy      61 OQKPGQAPRLIYAASNLSSGIPDRSGSGSGTDFTLTISRLEPADFAVYYCOQSNEDPR 120
        61 OQKPGKAPRLIYAASNLSSGIPSRPSGSGSGTDFTLTISRLEPADFAVYYCOQSNEDPR 120
Db      61 OQKPGKAPRLIYAASNLSSGIPSRPSGSGSGTDFTLTISRLEPADFAVYYCOQSNEDPR 120
        61 OQKPGKAPRLIYAASNLSSGIPSRPSGSGSGTDFTLTISRLEPADFAVYYCOQSNEDPR 120
Qy      121 TFGQGTREIKRTVAAPSVFIFPPSDEQKSGTASVYVCLINNYPREAKVQWKNVDNALQS 180
        121 TFGQGTREIKRTVAAPSVFIFPPSDEQKSGTASVYVCLINNYPREAKVQWKNVDNALQS 180
Db      121 TFGQGTREIKRTVAAPSVFIFPPSDEQKSGTASVYVCLINNYPREAKVQWKNVDNALQS 180
        121 TFGQGTREIKRTVAAPSVFIFPPSDEQKSGTASVYVCLINNYPREAKVQWKNVDNALQS 180
Qy      181 GNSQESVTEQDSKDSSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
        181 GNSQESVTEQDSKDSSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
Db      181 GNSQESVTEQDSKDSSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238

```

Search completed: February 20, 2004, 14:25:29
Job time : 18.0486 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: February 20, 2004, 13:23:52 ; Search time 7.89311 Seconds
(Without alignments)
1275.794 Million cell updates/sec

Title: US-09-499-662-50

Perfect score: 1.442

Sequence: 1 METDTILLVILLWVPGSTG.....EYTHQGLSPVTKFRRGRC 238

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-Processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database: Issued Patents AA:*

1: /cgn2_6/prodata/1/1aa/5A_COMB.pep:*
2: /cgn2_6/prodata/1/1aa/5B_COMB.pep:*
3: /cgn2_6/prodata/1/1aa/5A_COMB.pep:*
4: /cgn2_6/prodata/1/1aa/5B_COMB.pep:*
5: /cgn2_6/prodata/1/1aa/PCTUS_COMB.pep:*
6: /cgn2_6/prodata/1/1aa/Backfill.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1045	84.1	218	5	PCT-US96-13152-2
2	1033	83.2	240	4	US-09-301-593-36
3	1031	83.0	218	2	US-08-887-352B-13
4	1031	83.0	218	3	US-08-466-151-9
5	1031	83.0	218	3	US-09-109-207C-13
6	1031	83.0	218	3	US-09-296-005-13
7	1031	83.0	218	4	US-08-466-163B-9
8	1008	81.2	218	3	US-09-283-505-1
9	1008	81.2	218	3	US-09-054-255-1
10	1008	81.2	218	4	US-09-283-846-1
11	1008	81.2	218	4	US-09-680-145-1
12	1005	80.9	218	2	US-08-887-352B-15
13	1005	80.9	218	2	US-08-887-352B-19
14	1005	80.9	218	2	US-08-887-352B-24
15	1005	80.9	218	2	US-09-109-207C-15
16	1005	80.9	218	2	US-09-109-207C-17
17	1005	80.9	218	3	US-09-109-207C-19
18	1005	80.9	218	3	US-09-109-207C-24
19	1005	80.9	218	3	US-09-296-005-15
20	1005	80.9	218	3	US-09-296-005-17
21	1005	80.9	218	3	US-09-296-005-19
22	1005	80.9	218	3	US-09-296-005-24
23	1005	80.9	218	3	US-09-296-005-24
24	974.5	78.5	234	4	US-09-740-002-24
25	971	78.1	234	4	US-09-049-672A-6
26	964.5	77.7	239	3	US-08-467-550-6
27					Sequence 6, Appli

28	964.5	77.7	239	4	US-09-526-098-6	Sequence 6, Appli
29	954.5	76.9	235	1	US-08-276-852-153	Sequence 153, App
30	954.5	76.9	235	1	US-08-899-575-153	Sequence 153, App
31	954.5	76.9	235	1	US-08-899-575-153	Sequence 153, App
32	954.5	76.9	235	5	PCT-US95-08743-153	Sequence 25, Appl
33	953.5	76.8	233	2	US-07-934-373C-25	Sequence 25, Appl
34	953.5	76.8	233	4	US-08-437-642B-25	Sequence 25, Appl
35	953.5	76.8	233	4	US-08-146-206C-25	Sequence 25, Appl
36	953.5	76.8	233	5	PCT-US93-07832-25	Sequence 39, Appl
37	950	76.5	214	2	US-07-934-373C-39	Sequence 39, Appl
38	950	76.5	214	2	US-08-437-642B-39	Sequence 39, Appl
39	950	76.5	214	5	PCT-US93-07832-39	Sequence 39, Appl
40	950	76.5	236	1	US-08-157-101A-5	Sequence 5, Appli
41	947.5	76.3	214	2	US-08-480-753-6	Sequence 6, Appli
42	947.5	76.3	214	3	US-09-041-889-11	Sequence 11, Appl
43	947.5	76.3	214	3	US-08-837-058-11	Sequence 11, Appl
44	947.5	76.3	214	4	US-09-417-264-11	Sequence 11, Appl
45	946.5	76.2	235	3	US-09-171-945-97	Sequence 97, Appl

ALIGNMENTS

RESULT 1
PCT-US96-13152-2

Sequence 2, Application PC/TUS9613152

GENERAL INFORMATION:

APPLICANT: Martin, Ulrich, et al.

TITLE OF INVENTION: Anti-selectin antibodies for prevention of multiple organ fail

NUMBER OF SEQUENCES: 4

CORRESPONDENCE ADDRESS:

ADDRESSEE: Felle & Lynch

ADDRESSEE: Attn: Norman D. Hanson

STREET: 805 Third Avenue

CITY: New York

STATE: New York

COUNTRY: U.S.A.

ZIP: 10022

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Computer disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: ASCII

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US96/13152

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/578,953

FILING DATE: 27-Dec-95

APPLICATION NUMBER: EP 95 112 895.8

FILING DATE: 17-Aug-95

APPLICATION NUMBER: EP 95 114 969.9

FILING DATE: 19-Sep-95

ATTORNEY/AGENT INFORMATION:

NAME: Norman D. Hanson

REGISTRATION NUMBER: 30,946

REFERENCE/DOCKET NUMBER: BOER 1059-PCT-PF/NDH

TELEPHONE: (212) 838-3884

TELEFAX: (212) 838-3884

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 218

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

PCT-US96-13152-2

Query Match 84.1%; Score 1045; DB 5; Length 218;
Best Local Similarity 90.8%; Pred. No. 4.4e-83;
Matches 198; Conservative 10; Mismatches 10; Gaps 0;

Qy	81	GIPDRFSGSGSGTDFTLTISRLEPADFAVYVYCOGSNEEDPRTGQSTRLEKRTVAAPSVF	140
Db	61	GIPSRFSGSGSGTDFTLTISRLEPADFAVYVYCOGSNEEDPRTGQSTRLEKRTVAAPSVF	120
Qy	141	IPPPSEQLKSGTASVYCLINNFYPPKAAVQKVNALQSGNSQSEVTEQDSKQSTYSL	200
Db	121	IPPPSEQLKSGTASVYCLINNFYPPKAAVQKVNALQSGNSQSEVTEQDSKQSTYSL	180
Qy	201	STLTLSKADYEKKHVAACEVTHQGLSSPYTKSPNNGEC	238
Db	181	STLTLSKADYEKKHVAACEVTHQGLSSPYTKSPNNGEC	218

```

1      RESULT 2
2      US-09-301-593-36
3      : Sequence 36, Application US/09301593A
4      : Patent No. 6455677
5      :
6      : GENERAL INFORMATION:
7      : APPLICANT: Park, John E.
8      : APPLICANT: Garin-Chesa, Pilar
9      : APPLICANT: Bamberger, Uwe
10     : APPLICANT: Leger, Olivier
11     : APPLICANT: Saldanha, Jose W.
12     : APPLICANT: Rettig, Wolfgang J.
13     : TITLE OF INVENTION: PAP-specific Antibody with Improved Productibility
14     :
15     : FILE REFERENCE: 0652.1890001
16     : CURRENT APPLICATION NUMBER: US/09/301,593A
17     : CURRENT FILING DATE: 1999-04-29
18     : EARLIER APPLICATION NUMBER: BP 98107925.4
19     : EARLIER FILING DATE: 1998-04-30
20     : EARLIER APPLICATION NUMBER: US 60/086,049
21     : EARLIER FILING DATE: 1998-05-18
22     : NUMBER OF SEQ ID NOS: 108
23     : SOFTWARE: PatentIn Ver. 2.0
24     :
25     : SEQ ID NO 36
26     :
27     : LENGTH: 240
28     :
29     : TYPE: PR1
30     : ORGANISM: Homo sapiens
31     :
32     : US-09-301-593-36

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Query Match	83.2%;	Score 1033;	DB 4;	length 240;
Best Local Similarity	82.9%;	Pred. No. 5	4e-82;	
Matches 199;	Conservative 19;	Mismatches 20;	Indels 2;	Gaps 1
QY	1	METDTLLMWLLMWVSGTGDIVLTQSPGTSLSFGERATYLSCKRASQSDYDGD--SYNN	58	
Db	1	METDTLLMWLLMWVSGSDIVMTQSPSLSLVSGERATINCKSSQSLTSLRNQKLYLA	60	
QY	59	WYQQRKGQAPLLIIVAAVSNLSSGIPRPFSGSGSGDFTLLTSLRLEPADFAVYYCQGSNED	118	
Db	61	WYQQRKGQPPKLIIFAASTRSGGVPRSGSGFGDFTLLTSSLAQBAVAVYYCQQFQSY	120	
QY	119	PRTFGGTLEIKRITVAAPSVFIPPSDQLKSGTASVVCILNNFYPREAKVQMKVNAL	178	
Db	121	PLTFGGGTKEIKRITVAAPSVFIPPSDQLKSGTASVVCILNNFYPREAKVQKVNAL	180	
QY	179	QSGNSGDSYTBQDSKQSTYSSTLTLSKADYERKHYVACVYTHQGLSSPTTKSPFNNGEC	238	
Db	181	QSGNSGDSYTBQDSKQSTYSSTLTLSKADYERKHYVACVYTHQGLSSPTTKSPFNNGEC	240	

RESULT 3
 US-08-887-352B-13
 ; Sequence 13, Application US/08887352B
 ; Patent No. 5994511
 GENERAL INFORMATION:
 ;
 APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
 TITLE OF INVENTION: Improved Anti-TgE Antibodies and Method of

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	Query Match	Best Local Similarity	83.0%;	Score 1031;	DB 2;	Length 218;
	Matches	195;	Conservative	12;	Mismatches	11;
					Indels	0;
					Gaps	0;
QY	21	DIIVTSGPGTSLSPGERATLSCASQSVYDGDSDYNNMTYQKFGQAPRLITYASNLDS	80			
DB	1	DIQLTQSPSSASVSGRVTITCRASQSVYDGDSDYNNMTYQKFGKAPKLITYAASYLDS	60			
QY	81	GIPRFGSGSGGCDFTLLTRLRLEPADAAVYVYCOOSNEDPRTFGGTGLETRKRTAAPSVF	140			
DB	61	GVPRFSGSGSGGDFITLLISLQEDPATYVYCOOSNEDPRTFGGTGLETRKRTAAPSVF	120			
QY	141	IFPSPDQOLKSGTASVYCLNNFFYPREAKYQWKVDNALQSGNSQSGSYTEQDSKDSYSL	200			
DB	121	IFPSPDQOLKSGTASVYCLNNFFYPREAKYQWKVDNALQSGNSQSGSYTEQDSKDSYSL	180			
QY	201	STLTLSKADYEKAVYACEYTHQSLSPVTKSPFRGEC	238			
DB	181	STLTLSKADYEKAVYACEYTHQSLSPVTKSPFRGEC	218			

RESULT 4
 US-08-466-151-9
 , Sequence 9, Application US/08466151
 , Patent No. 6037453
 , GENERAL INFORMATION:
 , APPLICANT: Jardieu, Paula M.
 , APPLICANT: Presta, Leonard G.
 , TITLE OF INVENTION: Immunoglobulin Variants
 , NUMBER OF SEQUENCES: 65
 , CORRESPONDENCE ADDRESSES:
 , ADDRESSER: Genentech, Inc.
 , STREET: 1 DNA Way
 , CITY: South San Francisco
 , STATE: California
 , COUNTRY: USA
 , ZIP: 94080
 , COMPUTER READABLE FORM:
 , MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 , COMPATIBLE: IBM PC compatible
 , OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/466,151
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/466163
FILING DATE: 06-Jun-1995
APPLICATION NUMBER: 08/405617
FILING DATE: 15-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/185899
FILING DATE: 26-JAN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/879495
FILING DATE: 07-MAY-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744768
FILING DATE: 14-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P0718P2C1D1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-466-151-9

Query Match 83.0%; Score 1031; DB 3; Length 218;
Best Local Similarity 89.4%; Pred. No. 7.2e-82;
Matches 195; Conservative 12; Mismatches 11; Indels 0; Gaps 0;

QY 21 DIVLTGSPGTLSPGERATLSCKASQSVVDGDSYNNMWYQKRGQAPELLIYAASNLES 80
DB 1 DIQLTGSPSSLSASVGRVITTCASQSVVDGDSYNNMWYQKRGKAPKLIIYAASYLES 60
QY 81 GIPDRFSGSGGSDPTLTITSLRLEPADPAVYCCQSNEDPRTFGGCTRLERKRTVAAPSVE 140
DB 61 GVPSRFSGSGSDPTLTITSLRLEPADPAVYCCQSNEDPRTFGGCTRLERKRTVAAPSVE 120
QY 141 IFPPSDQLKSGTASVVCCLNNFPYPRKAVQWKVDNALQSGNSQESVTEQDSKDSYLS 200
DB 121 IFPPSDQLKSGTASVVCCLNNFPYPRKAVQWKVDNALQSGNSQESVTEQDSKDSYLS 180
QY 201 STLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 238
DB 181 STLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 218

RESULT 5
US-09-109-207C-13
Sequence 13, Application US/09109207C
Patent No. 6172213
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of Improving Polypeptide
FILE REFERENCE: P1123R1
CURRENT APPLICATION NUMBER: US/09/109,207C
PRIOR APPLICATION NUMBER: 1998-06-30
PRIOR FILING DATE: 1997-07-03
NUMBER OF SEQ ID NOS: 44
SEQ ID NO 13
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial
FEATURES:
NAME/KEY: Artificial

LOCATION: 1-218
OTHER INFORMATION: Light chain sequence derived from MAE11
US-09-109-207C-13

Query Match 83.0%; Score 1031; DB 3; Length 218;
Best Local Similarity 89.4%; Pred. No. 7.2e-82;
Matches 195; Conservative 12; Mismatches 11; Indels 0; Gaps 0;

QY 21 DIVLTGSPGTLSPGERATLSCKASQSVVDGDSYNNMWYQKRGQAPELLIYAASNLES 80
DB 1 DIQLTGSPSSLSASVGRVITTCASQSVVDGDSYNNMWYQKRGKAPKLIIYAASYLES 60
QY 81 GIPDRFSGSGGSDPTLTITSLRLEPADPAVYCCQSNEDPRTFGGCTRLERKRTVAAPSVE 140
DB 61 GVPSRFSGSGSDPTLTITSLRLEPADPAVYCCQSNEDPRTFGGCTRLERKRTVAAPSVE 120
QY 141 IFPPSDQLKSGTASVVCCLNNFPYPRKAVQWKVDNALQSGNSQESVTEQDSKDSYLS 200
DB 121 IFPPSDQLKSGTASVVCCLNNFPYPRKAVQWKVDNALQSGNSQESVTEQDSKDSYLS 180
QY 201 STLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 238
DB 181 STLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 218

RESULT 6
US-09-296-005-13
Sequence 13, Application US/09296005
Patent No. 6290957
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of Improving Polypeptides
FILE REFERENCE: P1123C1P
CURRENT APPLICATION NUMBER: US/09/296,005
PRIOR FILING DATE: 1999-04-21
EARLIER APPLICATION NUMBER: US 08/887,352
PRIOR FILING DATE: 1997-07-02
NUMBER OF SEQ ID NOS: 26
SEQ ID NO 13
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial
FEATURES:
NAME/KEY: Artificial
LOCATION: 1-218
OTHER INFORMATION: Light chain sequence derived from MAE11
US-09-296-005-13

Query Match 83.0%; Score 1031; DB 3; Length 218;
Best Local Similarity 89.4%; Pred. No. 7.2e-82;
Matches 195; Conservative 12; Mismatches 11; Indels 0; Gaps 0;

QY 21 DIVLTGSPGTLSPGERATLSCKASQSVVDGDSYNNMWYQKRGQAPELLIYAASNLES 80
DB 1 DIQLTGSPSSLSASVGRVITTCASQSVVDGDSYNNMWYQKRGKAPKLIIYAASYLES 60
QY 81 GIPDRFSGSGGSDPTLTITSLRLEPADPAVYCCQSNEDPRTFGGCTRLERKRTVAAPSVE 140
DB 61 GVPSRFSGSGSDPTLTITSLRLEPADPAVYCCQSNEDPRTFGGCTRLERKRTVAAPSVE 120
QY 141 IFPPSDQLKSGTASVVCCLNNFPYPRKAVQWKVDNALQSGNSQESVTEQDSKDSYLS 200
DB 121 IFPPSDQLKSGTASVVCCLNNFPYPRKAVQWKVDNALQSGNSQESVTEQDSKDSYLS 180
QY 201 STLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 238
DB 181 STLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 218

RESULT 7
US-08-466-163B-9
Sequence 9, Application US/08466163B
Patent No. 6329509

OTHER INFORMATION: Sequence is completely synthesized
; Patent No. 6528624
US-09-282-846-1

Query Match 81.2%; Score 1008; DB 4; Length 218;
Best Local Similarity 87.6%; Pred. No. 7e-80;
Matches 191; Conservative 14; Mismatches 13; Indels 0; Gaps 0;

QY 21 DIVVTGSPGTLSPGERATLSCRASQSVDDGSDSYNNWYQOKGQAPRLIYAASNLES 80
DB 1 DIQLTGSPSSLSASVGDVVTITCRASKPVDGSDSYNNWYQOKGQAPRLIYAASNLES 60
QY 81 GIPDRFSGSGGSDPTLTITSLRLEPADFAVYCCOOSNEDPRTFGGCTRLERITVAABSVF 140
DB 61 GVPSRFSGSGGSDPTLTITSLRLEPADFAVYCCOOSNEDPRTFGGCTRLERITVAABSVF 120
QY 141 IFPPSDQLKSGTASVVCCLNNFYPREAKVQMKVDNALQSGNSQESVTEQDSKOSTYSLS 200
DB 121 IFPPSDQLKSGTASVVCCLNNFYPREAKVQMKVDNALQSGNSQESVTEQDSKOSTYSLS 180
QY 201 STLTLSKADYKHKVYACEVTHQGLSSPVTGSFNRGEC 238
DB 181 STLTLSKADYKHKVYACEVTHQGLSSPVTGSFNRGEC 218

RESULT 11
US-09-680-145-1

; Sequence 1, Application US/09680145
; Patent No. 6538124
; GENERAL INFORMATION:
; APPLICANT: Eboche Ekinaduse Idueogie et al.
; TITLE OF INVENTION: Polypeptide Variants
; FILE REFERENCE: P126661
; CURRENT APPLICATION NUMBER: US/09/680,145
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 09/282,505
; NUMBER OF SEQ ID NOS: 2
; SEQ ID NO 1
; LENGTH: 218
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURES:
; NAME/KEY: Artificial Sequence
; LOCATION: 1-218
; OTHER INFORMATION: Sequence is completely synthesized
; Patent No. 6538124
US-09-680-145-1

Query Match 81.2%; Score 1008; DB 4; Length 218;
Best Local Similarity 87.6%; Pred. No. 7e-80;
Matches 191; Conservative 14; Mismatches 13; Indels 0; Gaps 0;

QY 21 DIVVTGSPGTLSPGERATLSCRASQSVDDGSDSYNNWYQOKGQAPRLIYAASNLES 80
DB 1 DIQLTGSPSSLSASVGDVVTITCRASKPVDGSDSYNNWYQOKGQAPRLIYAASNLES 60
QY 81 GIPDRFSGSGGSDPTLTITSLRLEPADFAVYCCOOSNEDPRTFGGCTRLERITVAABSVF 140
DB 61 GVPSRFSGSGGSDPTLTITSLRLEPADFAVYCCOOSNEDPRTFGGCTRLERITVAABSVF 120
QY 141 IFPPSDQLKSGTASVVCCLNNFYPREAKVQMKVDNALQSGNSQESVTEQDSKOSTYSLS 200
DB 121 IFPPSDQLKSGTASVVCCLNNFYPREAKVQMKVDNALQSGNSQESVTEQDSKOSTYSLS 180
QY 201 STLTLSKADYKHKVYACEVTHQGLSSPVTGSFNRGEC 238
DB 181 STLTLSKADYKHKVYACEVTHQGLSSPVTGSFNRGEC 218

RESULT 12
US-08-887-352B-15
; Sequence 15, Application US/08887352B

; Patent No. 5994511
; GENERAL INFORMATION:
; APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
; TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESS: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA

ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530

ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear

US-08-887-352B-15
Query Match 80.9%; Score 1005; DB 2; Length 218;
Best Local Similarity 87.2%; Pred. No. 1.3e-79;
Matches 190; Conservative 15; Mismatches 13; Indels 0; Gaps 0;

QY 21 DIVVTGSPGTLSPGERATLSCRASQSVDDGSDSYNNWYQOKGQAPRLIYAASNLES 80
DB 1 DIQLTGSPSSLSASVGDVVTITCRASKPVDGSDSYNNWYQOKGQAPRLIYAASNLES 60
QY 81 GIPDRFSGSGGSDPTLTITSLRLEPADFAVYCCOOSNEDPRTFGGCTRLERITVAABSVF 140
DB 61 GVPSRFSGSGGSDPTLTITSLRLEPADFAVYCCOOSNEDPRTFGGCTRLERITVAABSVF 120
QY 141 IFPPSDQLKSGTASVVCCLNNFYPREAKVQMKVDNALQSGNSQESVTEQDSKOSTYSLS 200
DB 121 IFPPSDQLKSGTASVVCCLNNFYPREAKVQMKVDNALQSGNSQESVTEQDSKOSTYSLS 180
QY 201 STLTLSKADYKHKVYACEVTHQGLSSPVTGSFNRGEC 238
DB 181 STLTLSKADYKHKVYACEVTHQGLSSPVTGSFNRGEC 218

RESULT 13
US-08-887-352B-17
; Sequence 17, Application US/08887352B
; Patent No. 5994511
; GENERAL INFORMATION:
; APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
; TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESS: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/952-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-17

Query Match 80.9%; Score 1005; DB 2; Length 218;
Best Local Similarity 87.2%; Pred. No. 1.3e-79;
Matches 190; Conservative 15; Mismatches 13; Indels 0; Gaps 0;

QY 21 DIVLTGSGTSLSPGERATLSCASQSDYDGSYNNWYQKPGQAPRLIYAASVLE 80
DB 1 DIQLTGSSLSASVGRVITTCRASKPVGEGSYLNMWYQKRGKAPKLIYAASVLE 60

QY 81 GIDPRFSGSGSDPTFTITSLRLPADPAVYVYCOQSNEDPRTFGQTRLEIKRTVAAPSVF 140
DB 61 GVPSRFSGSGSDPTFTITSLRLPADPAVYVYCOQSNEDPRTFGQTRLEIKRTVAAPSVF 120

QY 141 IFPPSDQLKSGTASVYCLNPFYPRKAYQWKVDNALQSGNSQESVTEBDSKDSTYSLS 200
DB 121 IFPPSDQLKSGTASVYCLNPFYPRKAYQWKVDNALQSGNSQESVTEBDSKDSTYSLS 180

QY 201 STLTLSKADYEKKHVVACEVTHQGLSSPVTKSPFRGEC 238
DB 181 STLTLSKADYEKKHVVACEVTHQGLSSPVTKSPFRGEC 218

RESULT 14
US-08-887-352B-19
Sequence 19, Application US/08887352B
Patent No. 5994511
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
TITLE OF INVENTION: Improved Anti-19E Antibodies and Method of
TITLE OF INVENTION: Improving Polypeptides
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123

TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/952-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-19

Query Match 80.9%; Score 1005; DB 2; Length 218;
Best Local Similarity 87.2%; Pred. No. 1.3e-79;
Matches 190; Conservative 15; Mismatches 13; Indels 0; Gaps 0;

QY 21 DIVLTGSGTSLSPGERATLSCASQSDYDGSYNNWYQKPGQAPRLIYAASVLE 80
DB 1 DIQLTGSSLSASVGRVITTCRASKPVGEGSYLNMWYQKRGKAPKLIYAASVLE 60

QY 81 GIDPRFSGSGSDPTFTITSLRLPADPAVYVYCOQSNEDPRTFGQTRLEIKRTVAAPSVF 140
DB 61 GVPSRFSGSGSDPTFTITSLRLPADPAVYVYCOQSNEDPRTFGQTRLEIKRTVAAPSVF 120

QY 141 IFPPSDQLKSGTASVYCLNPFYPRKAYQWKVDNALQSGNSQESVTEBDSKDSTYSLS 200
DB 121 IFPPSDQLKSGTASVYCLNPFYPRKAYQWKVDNALQSGNSQESVTEBDSKDSTYSLS 180

QY 201 STLTLSKADYEKKHVVACEVTHQGLSSPVTKSPFRGEC 238
DB 181 STLTLSKADYEKKHVVACEVTHQGLSSPVTKSPFRGEC 218

RESULT 15
US-08-887-352B-24
Sequence 24, Application US/08887352B
Patent No. 5994511
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
TITLE OF INVENTION: Improved Anti-19E Antibodies and Method of
TITLE OF INVENTION: Improving Polypeptides
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/952-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-24

Query Match 80.9%; Score 1005; DB 2; Length 218;
Best Local Similarity 87.2%; Pred. No. 1.3e-79;
Matches 190; Conservative 15; Mismatches 13; Indels 0; Gaps 0;


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Qy 21 DIVLTOSPGTSLSPGERATLSCAKASVDYDGDSTYMWYQOKPQAPRLIYAASNLES 80
Db 1 DIQLTQSPSSLSASVGDPRVTITCRASKPVDGSDSTLAWYQKPKAPKLLIYAASYLES 60
Qy 81 GIPDRFSGSGSGTDFTLISRLEPADPAVYVYCCQSNEDPRTFGQTRLEIKRTVAAPSVF 140
Db 61 GIPDRFSGSGSGTDFTLISRLEPADPAVYVYCCQSNEDPRTFGQTRLEIKRTVAAPSVF 120
Qy 141 IPPPSDEQLKSGTASVVCCLNNFYPRKAKVQWKVDNALQSGNSQESVTEQDSKDSTYSLS 200
Db 121 IPPPSDEQLKSGTASVVCCLNNFYPRKAKVQWKVDNALQSGNSQESVTEQDSKDSTYSLS 180
Qy 201 STLTLSKADYBKHKVYACEVTHQGLSSPVTKSFNRGEC 238
Db 181 STLTLSKADYBKHKVYACEVTHQGLSSPVTKSFNRGEC 218

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GenCore version 5.1.6
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Title: US-09-499-662-1
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Sequence: 1 RTONTKCRCK 10

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Gapop 10.0 , Gapext 0.5

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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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- 13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*
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- 15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*
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SUMMARIES

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4	59	100.0	20	15	US-10-216-484-36
5	59	100.0	119	9	US-09-800-909-5
6	59	100.0	119	10	US-09-884-987-3
7	59	100.0	119	10	US-09-800-908-14
8	59	100.0	119	12	US-10-423-927-5
9	59	100.0	119	14	US-10-112-793-15
10	59	100.0	128	9	US-09-949-713-9
11	59	100.0	143	9	US-09-949-713-10
12	59	100.0	144	9	US-09-949-713-21
13	59	100.0	157	9	US-09-949-713-15
14	59	100.0	159	9	US-09-949-713-23
15	59	100.0	159	15	US-10-084-139-12

16	59	100.0	167	14	US-10-112-793-22	Sequence 22, Appl
17	59	100.0	219	12	US-09-405-032-128	Sequence 128, App
18	59	100.0	281	10	US-09-756-854-3	Sequence 3, Appl1
19	59	100.0	281	14	US-10-041-574-3	Sequence 3, Appl1
20	59	100.0	331	12	US-10-280-047-3	Sequence 3, Appl1
21	59	100.0	331	9	US-09-826-212-7	Sequence 7, Appl1
22	59	100.0	335	9	US-09-802-669-2	Sequence 2, Appl1
23	59	100.0	335	9	US-09-333-966-6	Sequence 6, Appl1
24	59	100.0	335	9	US-09-949-713-20	Sequence 20, Appl
25	59	100.0	335	9	US-09-874-138-4	Sequence 4, Appl1
26	59	100.0	335	10	US-09-884-987-2	Sequence 2, Appl1
27	59	100.0	335	10	US-09-935-727-9	Sequence 9, Appl1
28	59	100.0	335	11	US-09-314-889-6	Sequence 6, Appl1
29	59	100.0	335	12	US-10-189-189-6	Sequence 6, Appl1
30	59	100.0	335	12	US-10-418-242-9	Sequence 9, Appl1
31	59	100.0	335	13	US-10-005-842-4	Sequence 4, Appl1
32	59	100.0	335	13	US-10-175-902-3	Sequence 3, Appl1
33	59	100.0	335	15	US-10-186-643-7	Sequence 7, Appl1
34	59	100.0	360	9	US-09-949-713-11	Sequence 11, Appl
35	59	100.0	376	9	US-09-949-713-22	Sequence 22, Appl
36	59	100.0	376	15	US-10-084-139-10	Sequence 10, Appl
37	59	100.0	669	15	US-10-226-296-3	Sequence 3, Appl1
38	59	100.0	669	15	US-10-226-318-3	Sequence 3, Appl1
39	59	100.0	669	15	US-09-925-299-960	Sequence 960, App
40	54	91.5	237	11	US-09-925-299-960	Sequence 960, App
41	51	86.4	204	10	US-09-948-018-18	Sequence 18, Appl
42	51	86.4	242	15	US-10-193-616-9	Sequence 9, Appl1
43	51	86.4	327	9	US-09-802-669-66	Sequence 66, Appl1
44	41	69.5	719	14	US-10-007-270-4	Sequence 4, Appl1
45	41	69.5	771	14	US-10-007-270-4	Sequence 28, Appl

ALIGNMENTS

RESULT 1
US-10-384-933-1
; Sequence 1, Application US/10384933
; Publication No. US20030170817A1
GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Hatayama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/10/384,933
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 1
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-384-933-1
Query Match 100.0%; Score 59; DB 12; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.0039;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
DB 1 RTONTKCRCK 10
QY |||||
1 RTONTKCRCK 10
RESULT 2
US-10-216-484-1
; Sequence 1, Application US/10216484
; Publication No. US20030103976A1

GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 1
LENGTH: 10
TYPE: PRT
ORGANISM: Homo sapiens
US-10-216-484-1

Query Match 100.0%; Score 59; DB 15; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.0039;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RTONTKCRCK 10
Db 1 RTONTKCRCK 10

RESULT 3
US-10-384-933-36
Sequence 36, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 36
LENGTH: 20
TYPE: PRT
ORGANISM: Homo sapiens
US-10-384-933-36

Query Match 100.0%; Score 59; DB 12; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.0072;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RTONTKCRCK 10
Db 6 RTONTKCRCK 15

RESULT 4
US-10-216-484-36
Sequence 36, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko

APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 36
LENGTH: 20
TYPE: PRT
ORGANISM: Homo sapiens
US-10-216-484-36

Query Match 100.0%; Score 59; DB 15; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.0072;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RTONTKCRCK 10
Db 6 RTONTKCRCK 15

RESULT 5
US-09-800-909-5
Sequence 5, Application US/09800909
Patent No. US20010019833A1
GENERAL INFORMATION:
APPLICANT: WALLACH, David
APPLICANT: BIGDA, Jacek
APPLICANT: BELETSKY, Igor
APPLICANT: METT, Igor
APPLICANT: ENGELMANN, Hartmut
TITLE OF INVENTION: TNF INHIBITORS
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESS: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/800,909
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/476,862
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 94039
FILING DATE: 06-APR-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 91229
FILING DATE: 06-AUG-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 90339
FILING DATE: 18-MAY-1989
ATTORNEY/AGENT INFORMATION:
NAME: BROWDY, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: WALLACH=12A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-800-909-5

Query Match 100.0%; Score 59; DB 9; Length 119;
Best Local Similarity 100.0%; Pred. No. 0.035;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RTONTKCRCK 10
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Db 75 RTONTKCRCK 84

RESULT 6

US-09-884-987-3
Sequence 3, Application US/09884987
Patent No. US20020102653A1
GENERAL INFORMATION: Shigekazu et al
APPLICANT: NAGATA, Shigekazu et al
TITLE OF INVENTION: DNA CODING FOR HUMAN CELL SURFACE ANTIGEN
FILE REFERENCE: 0020-4877P
CURRENT APPLICATION NUMBER: US/09/884,987
NUMBER OF FILING DATE: 2001-06-21
NUMBER OF SEQ ID NOS: 11
SOFTWARE: Patentin version 3.0
SEQ ID NO 3
LENGTH: 119
TYPE: PRT
ORGANISM: Homo sapiens
US-09-884-987-3

Query Match 100.0%; Score 59; DB 10; Length 119;
Best Local Similarity 100.0%; Pred. No. 0.035;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RTONTKCRCK 10
|||||
Db 75 RTONTKCRCK 84

RESULT 7

US-09-800-908-14
Sequence 14, Application US/09800908
Patent No. US20020111462A1
GENERAL INFORMATION:
APPLICANT: WALLACH, David
BIGDA, Jacek
BELETSKY, Igor
METT, Igor
TITLE OF INVENTION: TNF LIGANDS
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/800,908
FILING DATE: 08-Mar-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/477,347

FILING DATE: <Unknown>
APPLICATION NUMBER: IL 106271
FILING DATE: 08-JUL-1993
ATTORNEY/AGENT INFORMATION:
NAME: Townsend, G. Kevin
REGISTRATION NUMBER: 34,033
REFERENCE/DOCKET NUMBER: WALLACH=10
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
TELEX: 248633
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-09-800-908-14

Query Match 100.0%; Score 59; DB 10; Length 119;
Best Local Similarity 100.0%; Pred. No. 0.035;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RTONTKCRCK 10
|||||
Db 75 RTONTKCRCK 84

RESULT 8

US-10-423-927-5
Sequence 5, Application US/10423927
Publication No. US20030228312A1
GENERAL INFORMATION:
APPLICANT: WALLACH, David
BIGDA, Jacek
BELETSKY, Igor
METT, Igor
ENGELMANN, Hartmut
TITLE OF INVENTION: TNF INHIBITORS
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/423,927
FILING DATE: 28-Apr-2003
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/476,862
FILING DATE: 07-JUN-1995
APPLICATION NUMBER: IL 107267
FILING DATE: 12-OCT-1993
APPLICATION NUMBER: IL 94039
FILING DATE: 06-APR-1990
APPLICATION NUMBER: IL 91229
FILING DATE: 06-AUG-1989
APPLICATION NUMBER: IL 90339
FILING DATE: 18-MAY-1989
ATTORNEY/AGENT INFORMATION:
NAME: BROWDY, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: WALLACH=12A

```

; TELCOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 119 amino acids
;   TYPE: amino acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-10-423-927-5

Query Match      100.0%; Score 59; DB 12; Length 119;
Best Local Similarity 100.0%; Pred. No. 0.035;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 RTONTKCRCK 10
Db      75 RTONTKCRCK 84

RESULT 9
US-10-112-793-15
; Sequence 15, Application US/0112793
; Publication No. US20020192729A1
; GENERAL INFORMATION:
;   APPLICANT: Ashkenazi, Avi J.
;   TITLE OF INVENTION: Apo-2 LI AND Apo-3 POLYPEPTIDES
;   NUMBER OF SEQUENCES: 28
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: Genentech, Inc.
;     STREET: 1 DNA Way
;     CITY: South San Francisco
;     STATE: California
;     COUNTRY: USA
;     ZIP: 94080
; COMPUTER READABLE FORM:
;   MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: Winpatin (Genentech)
; CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/10/112,793
;   FILING DATE: 28-Mar-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US/08/828,683A
;   FILING DATE: 31-Mar-1997
;   APPLICATION NUMBER: 08/625328
;   FILING DATE: 1-Apr-1996
;   APPLICATION NUMBER: 08/710802
;   FILING DATE: 23-Sep-1996
; ATTORNEY/AGENT INFORMATION:
;   NAME: Marschang, Diane L.
;   REGISTRATION NUMBER: 35,600
;   REFERENCE/DOCKET NUMBER: P1007P1
; TELECOMMUNICATION INFORMATION:
;   TELEPHONE: 650/225-5416
;   TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 119 amino acids
;   TYPE: Amino Acid
;   TOPOLOGY: Linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 15:
US-10-112-793-15

Query Match      100.0%; Score 59; DB 14; Length 119;
Best Local Similarity 100.0%; Pred. No. 0.035;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 RTONTKCRCK 10
Db      75 RTONTKCRCK 84
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Db      74 RTONTKCRCK 83

RESULT 10
US-09-949-713-9
; Sequence 9, Application US/09949713
; Patent No. US20020044944A1
; GENERAL INFORMATION:
;   APPLICANT: NAKAMURA, No. US20020044944A110
;   TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE
;   FILE REFERENCE: 1110-207P
;   CURRENT APPLICATION NUMBER: US/09/949,713
;   PRIOR FILING DATE: 2001-09-12
;   PRIOR APPLICATION NUMBER: US/09/180,100
;   PRIOR FILING DATE: 1998-11-02
;   PRIOR APPLICATION NUMBER: PCT/JP97/01502
;   PRIOR FILING DATE: 1997-05-01
;   NUMBER OF SEQ ID NOS: 25
;   SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
; LENGTH: 128
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-949-713-9

Query Match      100.0%; Score 59; DB 9; Length 128;
Best Local Similarity 100.0%; Pred. No. 0.037;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 RTONTKCRCK 10
Db      76 RTONTKCRCK 85

RESULT 11
US-09-949-713-10
; Sequence 10, Application US/09949713
; Patent No. US20020044944A1
; GENERAL INFORMATION:
;   APPLICANT: NAKAMURA, No. US20020044944A110
;   TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE
;   FILE REFERENCE: 1110-207P
;   CURRENT APPLICATION NUMBER: US/09/949,713
;   PRIOR FILING DATE: 2001-09-12
;   PRIOR APPLICATION NUMBER: US/09/180,100
;   PRIOR FILING DATE: 1998-11-02
;   PRIOR APPLICATION NUMBER: PCT/JP97/01502
;   PRIOR FILING DATE: 1997-05-01
;   NUMBER OF SEQ ID NOS: 25
;   SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 143
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-949-713-10

Query Match      100.0%; Score 59; DB 9; Length 143;
Best Local Similarity 100.0%; Pred. No. 0.041;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 RTONTKCRCK 10
Db      76 RTONTKCRCK 85

RESULT 12
US-09-949-713-21
; Sequence 21, Application US/09949713
; Patent No. US20020044944A1
; GENERAL INFORMATION:
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APPLICANT: NAKAMURA, No. US20020044944A1io
APPLICANT: NAGATA, Shigekazu
TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE
FILE REFERENCE: 1110-207P
CURRENT APPLICATION NUMBER: US/09/949, 713
CURRENT FILING DATE: 2001-09-12
PRIOR APPLICATION NUMBER: US/09/180, 100
PRIOR FILING DATE: 1998-11-02
PRIOR APPLICATION NUMBER: PCT/JP97/01502
PRIOR FILING DATE: 1997-05-01
NUMBER OF SEQ ID NOS: 25
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 21
LENGTH: 144
TYPE: PRT
ORGANISM: Homo sapiens
US-09-949-713-21

Query Match 100.0%; Score 59; DB 9; Length 144;
Best Local Similarity 100.0%; Pred. No. 0.041;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 RTONTKCRCK 10
Db 92 RTONTKCRCK 101

RESULT 13
US-09-949-713-15
Sequence 15, Application US/09949713
Patent No. US20020044944A1
GENERAL INFORMATION:
APPLICANT: NAKAMURA, No. US20020044944A1io
APPLICANT: NAGATA, Shigekazu
TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE
FILE REFERENCE: 1110-207P
CURRENT APPLICATION NUMBER: US/09/949, 713
CURRENT FILING DATE: 2001-09-12
PRIOR APPLICATION NUMBER: US/09/180, 100
PRIOR FILING DATE: 1998-11-02
PRIOR APPLICATION NUMBER: PCT/JP97/01502
PRIOR FILING DATE: 1997-05-01
NUMBER OF SEQ ID NOS: 25
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 15
LENGTH: 157
TYPE: PRT
ORGANISM: Homo sapiens
US-09-949-713-15

Query Match 100.0%; Score 59; DB 9; Length 157;
Best Local Similarity 100.0%; Pred. No. 0.045;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 RTONTKCRCK 10
Db 105 RTONTKCRCK 114

RESULT 14
US-09-949-713-23
Sequence 23, Application US/09949713
Patent No. US20020044944A1
GENERAL INFORMATION:
APPLICANT: NAKAMURA, No. US20020044944A1io
APPLICANT: NAGATA, Shigekazu
TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE
FILE REFERENCE: 1110-207P
CURRENT APPLICATION NUMBER: US/09/949, 713
CURRENT FILING DATE: 2001-09-12
PRIOR APPLICATION NUMBER: US/09/180, 100
PRIOR FILING DATE: 1998-11-02
PRIOR APPLICATION NUMBER: PCT/JP97/01502

PRIOR FILING DATE: 1997-05-01
NUMBER OF SEQ ID NOS: 25
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 23
LENGTH: 159
TYPE: PRT
ORGANISM: Homo sapiens
US-09-949-713-23

Query Match 100.0%; Score 59; DB 9; Length 159;
Best Local Similarity 100.0%; Pred. No. 0.045;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 RTONTKCRCK 10
Db 92 RTONTKCRCK 101

RESULT 15
US-10-084-139-12
Sequence 12, Application US/10084139
Publication No. US20030109416A1
GENERAL INFORMATION:
APPLICANT: NAGATA, Shigekazu
APPLICANT: YATOMI, Takehiro
APPLICANT: SUDA, Takashi
TITLE OF INVENTION: PROPHYLACTIC/THERAPEUTIC AGENT
FILE REFERENCE: 1110-0307P
CURRENT APPLICATION NUMBER: US/10/084, 139
CURRENT FILING DATE: 2002-12-09
NUMBER OF SEQ ID NOS: 12
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 12
LENGTH: 159
TYPE: PRT
ORGANISM: Homo sapiens
US-10-084-139-12

Query Match 100.0%; Score 59; DB 15; Length 159;
Best Local Similarity 100.0%; Pred. No. 0.045;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 RTONTKCRCK 10
Db 92 RTONTKCRCK 101

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Maximum Match 100%
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- 4: /cgm2_6/ptodata/1/pubppa/PCUS_PUBCONB.pdp.*
- 5: /cgm2_6/ptodata/1/pubppa/NEW_PUB.pdp.*
- 6: /cgm2_6/ptodata/1/pubppa/US08_PUBCONB.pdp.*
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- 11: /cgm2_6/ptodata/1/pubppa/US09C_PUBCONB.pdp.*
- 12: /cgm2_6/ptodata/1/pubppa/US10A_PUBCONB.pdp.*
- 13: /cgm2_6/ptodata/1/pubppa/US10B_PUBCONB.pdp.*
- 14: /cgm2_6/ptodata/1/pubppa/US10C_PUBCONB.pdp.*
- 15: /cgm2_6/ptodata/1/pubppa/US10C_PUBCONB.pdp.*
- 16: /cgm2_6/ptodata/1/pubppa/US06_NEW_PUB.pdp.*
- 17: /cgm2_6/ptodata/1/pubppa/US06_PUBCONB.pdp.*
- 18: /cgm2_6/ptodata/1/pubppa/US06_PUBCONB.pdp.*

18: /cgm_09/Procstat
Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed. and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	1246	100.0	238	12	US-10-384-933-52	Sequence 52, App1
2	1245	100.0	238	15	US-10-216-484-52	Sequence 52, App
3	1239	99.4	238	12	US-10-384-933-109	Sequence 109, App
4	1239	99.4	238	15	US-10-216-484-109	Sequence 109, App
5	1238	99.4	238	12	US-10-384-933-54	Sequence 54, App1
6	1238	99.4	238	15	US-10-216-484-54	Sequence 54, App1
7	1202	96.5	238	12	US-10-384-933-50	Sequence 50, App1
8	1202	96.5	238	15	US-10-216-484-50	Sequence 50, App1
9	1201	96.4	238	12	US-10-384-933-107	Sequence 107, App
10	1201	96.4	238	15	US-10-216-484-107	Sequence 107, App
11	1159	93.0	238	12	US-10-384-933-139	Sequence 129, App
12	1159	93.0	238	15	US-10-216-484-139	Sequence 129, App
13	1156	92.8	238	12	US-10-384-933-131	Sequence 131, App
14	1156	92.8	238	15	US-10-216-484-131	Sequence 131, App
15	1155	92.7	238	12	US-10-384-933-127	Sequence 127, App

16	1155	92.7	238	15	US-10-216-484-127
17	1129	90.6	238	12	US-10-353-708-38
18	1129	90.6	238	12	US-10-353-708-56
19	1129	90.6	238	15	US-10-1711-4528-38
20	1129	90.6	238	15	US-10-1711-4528-56
21	1119	89.8	238	12	US-10-353-708-44
22	1119	89.8	238	12	US-10-353-708-50
23	1119	89.8	238	15	US-10-171-4528-44
24	1119	89.8	238	15	US-10-171-4528-50
25	1032.5	82.9	235	15	US-10-153-382-7
26	1032	82.8	218	9	US-09-917-410-2
27	1031	82.7	218	11	US-09-925-179-67
28	1031	82.7	218	12	US-10-449-556-98
29	1028	82.5	240	12	US-10-459-006-36
30	1021	81.9	218	12	US-10-353-708-39
31	1021	81.9	218	12	US-10-353-708-57
32	1021	81.9	218	15	US-10-171-4528-39
33	1021	81.9	218	15	US-10-171-4528-57
34	1020	81.9	218	12	US-10-449-566-119
35	1019	81.8	218	10	US-09-850-053-34
36	1018	81.7	218	9	US-09-802-077-9
37	1018	81.7	218	9	US-09-802-096-9
38	1018	81.7	218	9	US-09-920-171-13
39	1018	81.7	218	11	US-09-925-179-9
40	1018	81.7	218	12	US-10-113-996-13
41	1018	81.7	218	12	US-10-449-566-102
42	1018	81.7	234	15	US-10-153-382-15
43	1018	81.5	233	15	US-10-153-382-11
44	1011	81.1	218	12	US-10-353-708-51
45	1011	81.1	218	12	US-10-353-708-51

ALIGNMENTS

RESULT 1
US-10-384-933-52
US/10384933

Sequence 52, Application No. US20030170817A1

Publication No.: 25
GENERAL INFORMATION:
Corizawa, No. US20030170817A1ufusa

APPLICANT: Haruyama, Hidey
APPLICANT: Haruyama, Kaori

APPLICANT: Nakamura, Yukio
 ; Tamaki, Ikuko
 APPLICANT: Tamaki, Tohru
 ; Tamaki, Tohru

APPLICANT: Yakamashi, Toshiaki
TITLE OF INVENTION: Anti-Fas Antibodies

FILE REFERENCE: 980128C17/...
FILE REFERENCE NUMBER: US/10/384, 933...
CURRENT APPLICATION NUMBER: 2003-02-05

CURRENT FILING DATE: 2009-09-09
 CURRENT FILING NUMBER: US/09/499,662
 PRIOR APPLICATION NUMBER: 2009-09-09

PRIOR FILING DATE: 2000-02-07
PRIOR APPLICATION NUMBER: EARLIER APPL
PRIOR FILING DATE

PRIOR FILING DATE: EARLIER FILING
PRIOR FILING NOS: 165

NUMBER OF
SEQ ID NO 52
328

LENGTH: 250
TYPE: PRT
Artificial Sequence

ORGANISM: ALLIGATOR
FEATURE: Description of Art
DESCRIPTION: Description of Art

OTHER INFORMATION: chain of humanized
OTHER INFORMATION:

US-10-384-933-52

100.0%; Score

Query Match	100.0%;	Pred.
Similarity		
Best Local	0;	Mis
Derivative		

Matches 238; Conservation

[illegible]

Db

1 METDTILLVLLLMVFGBZCZ

61 QOKPGQAPRLIYAASNDJCO
QY

Db 61 QOKRGAAPRLIYAASNLBSGIDPRFSGSGSDTFTLTHVEEDAAATYYCOOSNEDPR 120
QY 121 TFGQGTLEIKRTVAAPSVIFPPPSDEQLSKGTASVVCCLNNFPYPRAKYQMKVDNALQS 180
Db 121 TFGQGTLEIKRTVAAPSVIFPPPSDEQLSKGTASVVCCLNNFPYPRAKYQMKVDNALQS 180
QY 181 GNSQSVTEQDSKDSSTYSLSTLTLSKADYEKKHVAACEVTHQGLSPVTKSFNRGEC 238
Db 181 GNSQSVTEQDSKDSSTYSLSTLTLSKADYEKKHVAACEVTHQGLSPVTKSFNRGEC 238

RESULT 2

US-10-216-484-52
; Sequence 52, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CJP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 52
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-52

Query Match 100.0%; Score 1246; DB 15; Length 238;
Best Local Similarity 100.0%; Pred. No. 7,4e-88;
Matches 238; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 METDTLLWVLLMVPSTGSDIVLTQSPGTLSPGERATLSCAASQSVYDGSDYNNMY 60
Db 1 METDTLLWVLLMVPSTGSDIVLTQSPGTLSPGERATLSCAASQSVYDGSDYNNMY 60
QY 61 QOKRGAAPRLIYAASNLBSGIDPRFSGSGSDTFTLTHVEEDAAATYYCOOSNEDPR 120
Db 61 QOKRGAAPRLIYAASNLBSGIDPRFSGSGSDTFTLTHVEEDAAATYYCOOSNEDPR 120
QY 121 TFGQGTLEIKRTVAAPSVIFPPPSDEQLSKGTASVVCCLNNFPYPRAKYQMKVDNALQS 180
Db 121 TFGQGTLEIKRTVAAPSVIFPPPSDEQLSKGTASVVCCLNNFPYPRAKYQMKVDNALQS 180
QY 181 GNSQSVTEQDSKDSSTYSLSTLTLSKADYEKKHVAACEVTHQGLSPVTKSFNRGEC 238
Db 181 GNSQSVTEQDSKDSSTYSLSTLTLSKADYEKKHVAACEVTHQGLSPVTKSFNRGEC 238

RESULT 3

US-10-384-933-109
; Sequence 109, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CJP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933

; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 109
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-109

Query Match 99.4%; Score 1239; DB 12; Length 238;
Best Local Similarity 99.2%; Pred. No. 2,5e-87;
Matches 236; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 METDTLLWVLLMVPSTGSDIVLTQSPGTLSPGERATLSCAASQSVYDGSDYNNMY 60
Db 1 METDTLLWVLLMVPSTGSDIVLTQSPGTLSPGERATLSCAASQSVYDGSDYNNMY 60
QY 61 QOKRGAAPRLIYAASNLBSGIDPRFSGSGSDTFTLTHVEEDAAATYYCOOSNEDPR 120
Db 61 QOKRGAAPRLIYAASNLBSGIDPRFSGSGSDTFTLTHVEEDAAATYYCOOSNEDPR 120
QY 121 TFGQGTLEIKRTVAAPSVIFPPPSDEQLSKGTASVVCCLNNFPYPRAKYQMKVDNALQS 180
Db 121 TFGQGTLEIKRTVAAPSVIFPPPSDEQLSKGTASVVCCLNNFPYPRAKYQMKVDNALQS 180
QY 181 GNSQSVTEQDSKDSSTYSLSTLTLSKADYEKKHVAACEVTHQGLSPVTKSFNRGEC 238
Db 181 GNSQSVTEQDSKDSSTYSLSTLTLSKADYEKKHVAACEVTHQGLSPVTKSFNRGEC 238

RESULT 4

US-10-216-484-109
; Sequence 109, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CJP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 109
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-109

Query Match 99.4%; Score 1239; DB 15; Length 238;
Best Local Similarity 99.2%; Pred. No. 2,5e-87;
Matches 236; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 METDTLLWVLLMVPSTGSDIVLTQSPGTLSPGERATLSCAASQSVYDGSDYNNMY 60
Db 1 METDTLLWVLLMVPSTGSDIVLTQSPGTLSPGERATLSCAASQSVYDGSDYNNMY 60
QY 61 QOKRGAAPRLIYAASNLBSGIDPRFSGSGSDTFTLTHVEEDAAATYYCOOSNEDPR 120

Db 61 OOKPGAPPLIYYAASNLSSGIPDRFSGSGSDTFTLTHPYEERDAATYYCOQSNEDPR 120
Qy 121 TFGQGRLEIKRTVAAPSVFIIPPSPDEOLKSGTASVCLNNFYPREAKVQKVNALQS 180
Db 121 TFGQGRLEIKRTVAAPSVFIIPPSPDEOLKSGTASVCLNNFYPREAKVQKVNALQS 180
Qy 181 GNSQSVTEODSDSTYSLSSTLTLSKADYERKHYACVTHQGLSSPYTKSPNRGEC 238
Db 181 GNSQSVTEODSDSTYSLSSTLTLSKADYERKHYACVTHQGLSSPYTKSPNRGEC 238

RESULT 5
US-10-384-933-54
Sequence 54, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufuea
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 54
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-54

Query Match 99.4%; Score 1238; DB 12; Length 238;
Best Local Similarity 99.2%; Pred. No. 3e-87;
Matches 236; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 METDTLLVLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQGVVDYDGSYNNWY 60
Db 1 METDTLLVLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQGVVDYDGSYNNWY 60
Qy 61 OOKPGAPPLIYYAASNLSSGIPDRFSGSGSDTFTLTHPYEERDAATYYCOQSNEDPR 120
Db 61 OOKPGAPPLIYYAASNLSSGIPDRFSGSGSDTFTLTHPYEERDAATYYCOQSNEDPR 120
Qy 121 TFGQGRLEIKRTVAAPSVFIIPPSPDEOLKSGTASVCLNNFYPREAKVQKVNALQS 180
Db 121 TFGQGRLEIKRTVAAPSVFIIPPSPDEOLKSGTASVCLNNFYPREAKVQKVNALQS 180
Qy 181 GNSQSVTEODSDSTYSLSSTLTLSKADYERKHYACVTHQGLSSPYTKSPNRGEC 238
Db 181 GNSQSVTEODSDSTYSLSSTLTLSKADYERKHYACVTHQGLSSPYTKSPNRGEC 238

RESULT 6
US-10-216-484-54
Sequence 54, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufuea
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG

CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 54
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-54

Query Match 99.4%; Score 1238; DB 15; Length 238;
Best Local Similarity 99.2%; Pred. No. 3e-87; Indels 0; Gaps 0;
Matches 236; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 METDTLLVLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQGVVDYDGSYNNWY 60
Db 1 METDTLLVLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQGVVDYDGSYNNWY 60
Qy 61 OOKPGAPPLIYYAASNLSSGIPDRFSGSGSDTFTLTHPYEERDAATYYCOQSNEDPR 120
Db 61 OOKPGAPPLIYYAASNLSSGIPDRFSGSGSDTFTLTHPYEERDAATYYCOQSNEDPR 120
Qy 121 TFGQGRLEIKRTVAAPSVFIIPPSPDEOLKSGTASVCLNNFYPREAKVQKVNALQS 180
Db 121 TFGQGRLEIKRTVAAPSVFIIPPSPDEOLKSGTASVCLNNFYPREAKVQKVNALQS 180
Qy 181 GNSQSVTEODSDSTYSLSSTLTLSKADYERKHYACVTHQGLSSPYTKSPNRGEC 238
Db 181 GNSQSVTEODSDSTYSLSSTLTLSKADYERKHYACVTHQGLSSPYTKSPNRGEC 238

RESULT 7
US-10-384-933-50
Sequence 50, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufuea
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 50
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-50

Query Match 96.5%; Score 1202; DB 12; Length 238;
Best Local Similarity 97.1%; Pred. No. 1.7e-84;
Matches 231; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

Qy 1 METDTLLVLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQGVVDYDGSYNNWY 60
Db 1 METDTLLVLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQGVVDYDGSYNNWY 60

Qy 61 QOKPGQAPRLIIYAASNLSEGIPIPRFSGSGSGTDTFTLTIHPVEEBDAATYYCQGSNEDPR 120
Db 61 QOKPGQAPRLIIYAASNLSEGIPIPRFSGSGSGTDTFTLTIHPVEEBDAATYYCQGSNEDPR 120
Qy 121 TFGGSTRLEIKRTVAAPSVFIIPPSPDEQKSGTAAVCLNNFYPREAKVOMKVDNALQS 180
Db 121 TFGGSTRLEIKRTVAAPSVFIIPPSPDEQKSGTAAVCLNNFYPREAKVOMKVDNALQS 180
Qy 181 GNSQSVTEQDSKDSSTYSLSSTLTLSKADYEKHKVYACVTHQGLSPVTKSFNRGEC 238
Db 181 GNSQSVTEQDSKDSSTYSLSSTLTLSKADYEKHKVYACVTHQGLSPVTKSFNRGEC 238

RESULT 8
US-10-216-484-50

Sequence 50, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT FILING DATE: 2002-08-09
PRIOR FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 50
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-50

Query Match 96.5%; Score 1202; DB 15; Length 238;
Best Local Similarity 97.1%; Pred. No. 1.7e-84;
Matches 231; Conservative 1; Mismatches 6; Indels 0; Gaps 0;
Qy 1 METDTILLMWLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNNWY 60
Db 1 METDTILLMWLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNNWY 60
Qy 61 QOKPGQAPRLIIYAASNLSEGIPIPRFSGSGSGTDTFTLTIHPVEEBDAATYYCQGSNEDPR 120
Db 61 QOKPGQAPRLIIYAASNLSEGIPIPRFSGSGSGTDTFTLTIHPVEEBDAATYYCQGSNEDPR 120
Qy 121 TFGGSTRLEIKRTVAAPSVFIIPPSPDEQKSGTAAVCLNNFYPREAKVOMKVDNALQS 180
Db 121 TFGGSTRLEIKRTVAAPSVFIIPPSPDEQKSGTAAVCLNNFYPREAKVOMKVDNALQS 180
Qy 181 GNSQSVTEQDSKDSSTYSLSSTLTLSKADYEKHKVYACVTHQGLSPVTKSFNRGEC 238
Db 181 GNSQSVTEQDSKDSSTYSLSSTLTLSKADYEKHKVYACVTHQGLSPVTKSFNRGEC 238

RESULT 9

US-10-384-933-107
Sequence 107, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies

FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 107
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-107

Query Match 96.4%; Score 1201; DB 12; Length 238;
Best Local Similarity 96.6%; Pred. No. 2.1e-84;
Matches 230; Conservative 3; Mismatches 5; Indels 0; Gaps 0;
Qy 1 METDTILLMWLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNNWY 60
Db 1 METDTILLMWLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNNWY 60
Qy 61 QOKPGQAPRLIIYAASNLSEGIPIPRFSGSGSGTDTFTLTIHPVEEBDAATYYCQGSNEDPR 120
Db 61 QOKPGQAPRLIIYAASNLSEGIPIPRFSGSGSGTDTFTLTIHPVEEBDAATYYCQGSNEDPR 120
Qy 121 TFGGSTRLEIKRTVAAPSVFIIPPSPDEQKSGTAAVCLNNFYPREAKVOMKVDNALQS 180
Db 121 TFGGSTRLEIKRTVAAPSVFIIPPSPDEQKSGTAAVCLNNFYPREAKVOMKVDNALQS 180
Qy 181 GNSQSVTEQDSKDSSTYSLSSTLTLSKADYEKHKVYACVTHQGLSPVTKSFNRGEC 238
Db 181 GNSQSVTEQDSKDSSTYSLSSTLTLSKADYEKHKVYACVTHQGLSPVTKSFNRGEC 238

RESULT 10

US-10-216-484-107
Sequence 107, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT FILING DATE: 2002-08-09
PRIOR FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 107
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-107

Query Match 96.4%; Score 1201; DB 15; Length 238;
Best Local Similarity 96.6%; Pred. No. 2.1e-84;
Matches 230; Conservative 3; Mismatches 5; Indels 0; Gaps 0;
Qy 1 METDTILLMWLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNNWY 60
Db 1 METDTILLMWLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNNWY 60

QY 61 QQRGAPRLIYAASNLSEGIPIPRFSGSGSDPTLTIHVEBEDATYYCOOSNEDPR 120
DB 61 QQRGAPRLIYAASNLSEGIPIPRFSGSGSDPTLTIHVEBEDATYYCOOSNEDPR 120
QY 121 TFGQGTLEIKRTVAASVFIPIPPSDEQLKSGTASVCLNNFYPREAKYQMKVDNALQS 180
DB 121 TFGQGTLEIKRTVAASVFIPIPPSDEQLKSGTASVCLNNFYPREAKYQMKVDNALQS 180
QY 181 GNSQSVTEBODSKDSTYSLSTLTLTKADYKHKVYACEVTHQGLSSPVTKSFNRGRC 238
DB 181 GNSQSVTEBODSKDSTYSLSTLTLTKADYKHKVYACEVTHQGLSSPVTKSFNRGRC 238

RESULT 11

US-10-384-933-129
Sequence 129, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 129
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
US-10-384-933-129

Query Match 93.0%; Score 1159; DB 12; Length 238;
Best Local Similarity 92.0%; Pred. No. 3,4e-81;
Matches 219; Conservative 10; Mismatches 9; Indels 0; Gaps 0;

QY 1 METDTILLWVLLMWPSTGSDIVLTQSPGTLISPGERATLSCKASQSVYDGDSDNNMY 60
DB 1 METDTILLWVLLMWPSTGSDIVLTQSPGTLISPGERATLSCKASQSVYDGDSDNNMY 60
QY 61 QQRGAPRLIYAASNLSEGIPIPRFSGSGSDPTLTIHVEBEDATYYCOOSNEDPR 120
DB 61 QQRGAPRLIYAASNLSEGIPIPRFSGSGSDPTLTIHVEBEDATYYCOOSNEDPR 120
QY 121 TFGQGTLEIKRTVAASVFIPIPPSDEQLKSGTASVCLNNFYPREAKYQMKVDNALQS 180
DB 121 TFGQGTLEIKRTVAASVFIPIPPSDEQLKSGTASVCLNNFYPREAKYQMKVDNALQS 180
QY 181 GNSQSVTEBODSKDSTYSLSTLTLTKADYKHKVYACEVTHQGLSSPVTKSFNRGRC 238
DB 181 GNSQSVTEBODSKDSTYSLSTLTLTKADYKHKVYACEVTHQGLSSPVTKSFNRGRC 238

RESULT 12

US-10-216-484-129
Sequence 129, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru

TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 129
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
US-10-216-484-129

Query Match 93.0%; Score 1159; DB 15; Length 238;
Best Local Similarity 92.0%; Pred. No. 3,4e-81;
Matches 219; Conservative 10; Mismatches 9; Indels 0; Gaps 0;

QY 1 METDTILLWVLLMWPSTGSDIVLTQSPGTLISPGERATLSCKASQSVYDGDSDNNMY 60
DB 1 METDTILLWVLLMWPSTGSDIVLTQSPGTLISPGERATLSCKASQSVYDGDSDNNMY 60
QY 61 QQRGAPRLIYAASNLSEGIPIPRFSGSGSDPTLTIHVEBEDATYYCOOSNEDPR 120
DB 61 QQRGAPRLIYAASNLSEGIPIPRFSGSGSDPTLTIHVEBEDATYYCOOSNEDPR 120
QY 121 TFGQGTLEIKRTVAASVFIPIPPSDEQLKSGTASVCLNNFYPREAKYQMKVDNALQS 180
DB 121 TFGQGTLEIKRTVAASVFIPIPPSDEQLKSGTASVCLNNFYPREAKYQMKVDNALQS 180
QY 181 GNSQSVTEBODSKDSTYSLSTLTLTKADYKHKVYACEVTHQGLSSPVTKSFNRGRC 238
DB 181 GNSQSVTEBODSKDSTYSLSTLTLTKADYKHKVYACEVTHQGLSSPVTKSFNRGRC 238

RESULT 13

US-10-384-933-131
Sequence 131, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 131
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
US-10-384-933-131

Query Match 92.8%; Score 1156; DB 12; Length 238;
Best Local Similarity 92.0%; Pred. No. 5,8e-81;
Matches 219; Conservative 10; Mismatches 9; Indels 0; Gaps 0;

QY 1 METDTILLWVLLMWPSTGSDIVLTQSPGTLISPGERATLSCKASQSVYDGDSDNNMY 60
DB 1 METDTILLWVLLMWPSTGSDIVLTQSPGTLISPGERATLSCKASQSVYDGDSDNNMY 60

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Db      1  METDTILLMWLLMWPGSTGDIVLITQSPSLASVGDVLTITCKASQSVYDGDGYMW  60
QY      61  QQKPGQAPRLILTYAASNLESGLPDRSSGSGSGTDFLTTHPVEEDPAATYCCQSNEDPR  120
        ::::::::::::::::::::::::::::
Db      61  QQKPKAKPKLLTYAASNLESGLPSRPSGSGSGTDFLTTLISLPEDPAATYCCQSNEDPR  120
QY      121  TFGGTREIKRTVAASVFIPEPSEOLKSGTASVCLLNNTPEAKQOMKYDNALOS  180
        ::::::::::::::::::::::::::::::::::::
Db      121  TFGQSTKAEIKRTVAASVFIPEPSEOLKSGTASVCLLNNTPEAKQOMKYDNALOS  180
QY      181  GNSQSEVTEODSKDSTYSLSTLTLSKADYEKHKYVACEVTHQGLSSPYTKSFNRGEC  238
        ::::::::::::::::::::::::::::::::::::::
Db      181  GNSQSEVTEODSKDSTYSLSTLTLSKADYEKHKYVACEVTHQGLSSPYTKSFNRGEC  238

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OM protein - protein search, using sw model

Run on: February 20, 2004, 13:23:52 ; Search time 7.89311 Seconds
(without alignment)
1275.794 Million cell updates/sec

Title: US-09-499-662-54

Perfect score: 1249

Sequence: 1 METDTLLMVLWLVPGSTG.....EYTHQGLSPVTKSFNRGEC 238

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/ptodata/1/1aa/5A COMB.pep:*
2: /cgn2_6/ptodata/1/1aa/5B COMB.pep:*
3: /cgn2_6/ptodata/1/1aa/6A COMB.pep:*
4: /cgn2_6/ptodata/1/1aa/6B COMB.pep:*
5: /cgn2_6/ptodata/1/1aa/PTCTUS COMB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1039	83.2	240	4	US-09-301-593-36
2	1030	82.5	218	5	PCT-US96-13152-2
3	1016	81.3	218	2	US-08-887-352B-13
4	1016	81.3	218	3	US-08-466-151-9
5	1016	81.3	218	3	US-09-109-207C-13
6	1016	81.3	218	3	US-09-296-005-13
7	1016	81.3	218	4	US-08-466-163B-9
8	993	79.5	218	3	US-09-282-505-1
9	993	79.5	218	3	US-09-054-255-1
10	993	79.5	218	4	US-09-287-846-1
11	993	79.5	218	4	US-09-680-145-1
12	990	79.3	218	2	US-08-887-352B-17
13	990	79.3	218	2	US-08-887-352B-19
14	990	79.3	218	2	US-08-887-352B-24
15	990	79.3	218	2	US-09-109-207C-15
16	990	79.3	218	3	US-09-109-207C-17
17	990	79.3	218	3	US-09-109-207C-19
18	990	79.3	218	3	US-09-109-207C-24
19	990	79.3	218	3	US-09-296-005-15
20	990	79.3	218	3	US-09-296-005-17
21	990	79.3	218	3	US-09-296-005-19
22	990	79.3	218	3	US-09-296-005-24
23	990	79.3	218	2	US-07-916-098A-56
24	980.5	77.7	239	3	US-08-487-550-6
25	970.5	77.7	239	3	US-09-526-098-6
26	970.5	76.9	234	4	US-09-740-002-24
27	961				

28	954	76.4	234	3	US-09-049-672A-6	Sequence 6, Appl
29	939	75.2	240	4	US-09-301-593-28	Sequence 28, Appl
30	938.5	75.1	233	2	US-07-934-373C-25	Sequence 25, Appl
31	938.5	75.1	233	3	US-08-437-642B-25	Sequence 25, Appl
32	938.5	75.1	233	4	US-08-146-206C-25	Sequence 25, Appl
33	938.5	75.1	233	5	PCT-US93-07832-25	Sequence 25, Appl
34	938.5	75.1	235	3	US-09-171-945-97	Sequence 39, Appl
35	935	74.9	214	2	US-07-934-373C-39	Sequence 39, Appl
36	935	74.9	214	3	US-08-437-642B-39	Sequence 39, Appl
37	935	74.9	214	5	PCT-US93-07832-39	Sequence 39, Appl
38	931	74.5	226	1	US-08-157-101A-5	Sequence 9, Appl
39	930.5	74.5	235	1	US-09-171-945-99	Sequence 9, Appl
40	930	74.5	214	2	US-07-934-373C-40	Sequence 40, Appl
41	930	74.5	214	3	US-08-788-800-11	Sequence 40, Appl
42	930	74.5	214	3	US-08-437-642B-40	Sequence 2, Appl
43	930	74.5	214	3	US-09-097-309-2	Sequence 2, Appl
44	930	74.5	214	3	US-09-097-171A-2	Sequence 2, Appl
45	930	74.5	214	4	US-09-460-587-2	Sequence 2, Appl

ALIGNMENTS

RESULT 1
US-09-301-593-36
Sequence 36, Application US/09301593A
Patent No. 6455677
GENERAL INFORMATION:
APPLICANT: Garin-Chesa, Pilar
APPLICANT: Garin-Chesa, Pilar
APPLICANT: Bamberger, Uwe
APPLICANT: Leger, Olivier
APPLICANT: Saldanha, Jose W.
APPLICANT: Rettig, Wolfgang J.
TITLE OF INVENTION: FAP-specific Antibody with Improved Productibility
FILE REFERENCE: 0652.1890001
CURRENT APPLICATION NUMBER: US/09/301,593A
EARLIER FILING DATE: 1999-04-29
EARLIER APPLICATION NUMBER: EP 98107925.4
EARLIER FILING DATE: 1998-04-30
EARLIER APPLICATION NUMBER: US 60/086,049
EARLIER FILING DATE: 1998-05-18
NUMBER OF SEQ ID NOS: 108
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 36
LENGTH: 240
TYPE: PRT
ORGANISM: Homo sapiens
US-09-301-593-36

Query Match 83.2%; Score 1039; DB 4; Length 240;
Best Local Similarity 82.9%; Pred. No. 6.3e-77;
Matches 199; Conservative 19; Mismatches 20; Gaps 1;

QY	1	METDTLLMVLWLVPGSTGDIYLTQSPGTLISLSPGERATLSCKASQVDYDGD--SYNN 58	
DB	1	METDTLLMVLWLVWPPSGDIWVTQSDSLAVALSKRAITNCKSQSLILSYNNQNYLA 60	
QY	59	WYQQRGQPPKLLIYAAVNLESGIPDRFSGSGSTDTFTIHPVEERDAATYYCOQSNED 118	
DB	61	WYQQRGQPPKLLIYAAVNLESGIPDRFSGSGSTDTFTIHPVEERDAATYYCOQSNED 120	
QY	119	PRTFGQTRLEIKRTVAAPSVFIFPPSDEQKSGTAVVCLNNFYYREAKVQMKVDNAL 178	
DB	121	PLTFQGTVEIKRTVAAPSVFIFPPSDEQKSGTAVVCLNNFYYREAKVQMKVDNAL 180	
QY	179	QSGNSQESYTRDSDSTYSLSSTLTLSKADYERKRVACVTHQGLSPVTKSFNRGEC 238	
DB	181	QSGNSQESYTRDSDSTYSLSSTLTLSKADYERKRVACVTHQGLSPVTKSFNRGEC 240	

RESULT 2
PCT-US96-13152-2

```
/ Sequence 2, Application PC/TUS9613152
/ GENERAL INFORMATION:
/ APPLICANT: Martin, Ulrich, et al.
/ TITLE OF INVENTION: Anti-selectin antibodies for prevention of multiple organ fai
/ NUMBER OF SEQUENCES: 4
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Felfe & Lynch
/ ADDRESSER: Actn: Norman D. Hanson
/ STREET: 805 Third Avenue
/ CITY: New York
/ STATE: New York
/ COUNTRY: U.S.A.
/ ZIP: 10022
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: 3.5" Computer Disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: ASCII
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: PCT/US96/13152
/ CLASSIFICATION:
/ FILING DATE:
/ PRIORITY APPLICATION DATA:
/ APPLICATION NUMBER: 08/578,953
/ FILING DATE: 27-Dec-95
/ APPLICATION NUMBER: EP 95 112 895.8
/ FILING DATE: 17-Aug-95
/ APPLICATION NUMBER: EP 95 114 969.9
/ FILING DATE: 19-Sep-95
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Norman D. Hanson
/ REGISTRATION NUMBER: 30,946
/ REFERENCE/DOCKET NUMBER: BOER 1059-PCT-PFF/NDH
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (212) 688-9200
/ TELEFAX: (212) 838-3884
/ INFORMATION FOR SEQ ID NO: 2:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 218
/ TYPE: amino acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/ PCT-US96-13152-2

Query Match 82.5%; Score 1030; DB 5; Length 218;
Best Local Similarity 89.9%; Pred. No. 3e-76;
Matches 196; Conservative 10; Mismatches 12; Indels 0; Gaps 0;

QY 21 DIVLTGSPGTLSPGERATLSCASQSVDDGDSYNNMWYQKRGQPKLLIYAASNLES 80
DB 1 DIQWTOGSPSSLASVGRVITTCASQSVDDGDSYNNMWYQKRGKAPKLLIYAASNLES 60

QY 81 GIPRFGSGSGDPTLTITIHVEEEDATYYCOQSNEDPRTFGQGTLEIKRTVAAPSVF 140
DB 61 GIPSRFGSGSGDPTLTITISLQPEDPATYYCOQSNEDPRTFGQGTLEIKRTVAAPSVF 120

QY 141 IFPPSDQLKSGTASVVCCLNNFYPREAKVQWKVDNALQSGNSQESVTEBDSKOSTYSL 200
DB 121 IFPPSDQLKSGTASVVCCLNNFYPREAKVQWKVDNALQSGNSQESVTEBDSKOSTYSL 180

QY 201 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
DB 181 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 218

RESULT 3
US-08-887-352B-13
/ Sequence 13, Application US/08887352B
/ GENERAL INFORMATION:
/ APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
/ TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of
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/ TITLE OF INVENTION: Improving Polypeptides
/ NUMBER OF SEQUENCES: 26
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Genentech, Inc.
/ STREET: 1 DNA Way
/ CITY: South San Francisco
/ STATE: California
/ COUNTRY: USA
/ ZIP: 94080
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Winpactin (Genentech)
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/887,352B
/ FILING DATE: 03-Jul-1997
/ CLASSIFICATION: 530
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Svoboda, Craig G.
/ REGISTRATION NUMBER: 39,044
/ REFERENCE/DOCKET NUMBER: P1123
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 650/225-1489
/ TELEFAX: 650/952-9881
/ INFORMATION FOR SEQ ID NO: 13:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 218 amino acids
/ TYPE: Amino Acid
/ TOPOLOGY: linear
/ US-08-887-352B-13

Query Match 81.3%; Score 1016; DB 2; Length 218;
Best Local Similarity 88.5%; Pred. No. 4.1e-75;
Matches 193; Conservative 12; Mismatches 13; Indels 0; Gaps 0;

QY 21 DIVLTGSPGTLSPGERATLSCASQSVDDGDSYNNMWYQKRGQPKLLIYAASNLES 80
DB 1 DIQLTGSPSSLASVGRVITTCASQSVDDGDSYNNMWYQKRGKAPKLLIYAASNLES 60

QY 81 GIPRFGSGSGDPTLTITIHVEEEDATYYCOQSNEDPRTFGQGTLEIKRTVAAPSVF 140
DB 61 GIPSRFGSGSGDPTLTITISLQPEDPATYYCOQSNEDPRTFGQGTLEIKRTVAAPSVF 120

QY 141 IFPPSDQLKSGTASVVCCLNNFYPREAKVQWKVDNALQSGNSQESVTEBDSKOSTYSL 200
DB 121 IFPPSDQLKSGTASVVCCLNNFYPREAKVQWKVDNALQSGNSQESVTEBDSKOSTYSL 180

QY 201 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
DB 181 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 218

RESULT 4
US-08-466-151-9
/ Sequence 9, Application US/08466151
/ Patent No. 6037453
/ GENERAL INFORMATION:
/ APPLICANT: Jardieu, Paula M.
/ APPLICANT: Presta, Leonard G.
/ TITLE OF INVENTION: Immunoglobulin Variants
/ NUMBER OF SEQUENCES: 65
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Genentech, Inc.
/ STREET: 1 DNA Way
/ CITY: South San Francisco
/ STATE: California
/ COUNTRY: USA
/ ZIP: 94080
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
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SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/466,151
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA: 08/466163
APPLICATION NUMBER: 08/466163
FILING DATE: 06-Jun-1995
APPLICATION NUMBER: 08/405617
FILING DATE: 15-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/185899
FILING DATE: 26-Jan-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/879495
FILING DATE: 07-MAY-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744768
FILING DATE: 14-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P0718P2C1D1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-466-151-9

Query Match      81.3%; Score 1016; DB 3; Length 218;
Best Local Similarity 88.5%; Pred. No. 4,1e-75;
Matches 193; Conservative 12; Mismatches 13; Indels 0; Gaps 0;

QY 21 DIVLTQSPGTLSPSGEATLSCKASQSYVDYDGSYNNYQKPKGAPKLLIYAASNLES 80
DB 1 DIQLTQSPSSLASVGDRTITTCRASQSYVDYDGSYNNYQKPKGAPKLLIYAASNLES 60
QY 81 GIPDRFSGSGGTDFLTITHPVEEDDAATYYCOQSNEDPRTFGQGRLEIKRTVAAPSVF 140
DB 61 GVPDRFSGSGGTDFLTITSLQPEDFATYYCOQSHEDYTTGQGRKVEIKRTVAAPSVF 120
QY 141 IFPPSDQLKSGTASVCLINNFYPRKAVQWKVDNALQSGNSQESVTEQDSKDSYSTLS 200
DB 121 IFPPSDQLKSGTASVCLINNFYPRKAVQWKVDNALQSGNSQESVTEQDSKDSYSTLS 180
QY 201 STLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
DB 181 STLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 218

RESULT 5
US-09-109-207C-13
Sequence 13, Application US/09109207C
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
TITLE OF INVENTION: Improved Anti-1gE Antibodies and Method of Improving Polypeptide
FILE REFERENCE: P1123R1
CURRENT APPLICATION NUMBER: US/09/109,207C
PRIOR FILING DATE: 1998-06-30
PRIOR APPLICATION NUMBER: US 60/051,554
NUMBER OF SEQ ID NOS: 44
SEQ ID NO 13
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial
NAME/KEY: Artificial
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LOCATION: 1-218
OTHER INFORMATION: Light chain sequence derived from MAb11
US-09-109-207C-13
Query Match      81.3%; Score 1016; DB 3; Length 218;
Best Local Similarity 88.5%; Pred. No. 4,1e-75;
Matches 193; Conservative 12; Mismatches 13; Indels 0; Gaps 0;

QY 21 DIVLTQSPGTLSPSGEATLSCKASQSYVDYDGSYNNYQKPKGAPKLLIYAASNLES 80
DB 1 DIQLTQSPSSLASVGDRTITTCRASQSYVDYDGSYNNYQKPKGAPKLLIYAASNLES 60
QY 81 GIPDRFSGSGGTDFLTITHPVEEDDAATYYCOQSNEDPRTFGQGRLEIKRTVAAPSVF 140
DB 61 GVPDRFSGSGGTDFLTITSLQPEDFATYYCOQSHEDYTTGQGRKVEIKRTVAAPSVF 120
QY 141 IFPPSDQLKSGTASVCLINNFYPRKAVQWKVDNALQSGNSQESVTEQDSKDSYSTLS 200
DB 121 IFPPSDQLKSGTASVCLINNFYPRKAVQWKVDNALQSGNSQESVTEQDSKDSYSTLS 180
QY 201 STLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
DB 181 STLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 218

RESULT 6
US-09-296-005-13
Sequence 13, Application US/09296005
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
TITLE OF INVENTION: Improved Anti-1gE Antibodies and Method of Improving Polypeptides
FILE REFERENCE: P1123C1R
CURRENT APPLICATION NUMBER: US/09/296,005
PRIOR FILING DATE: 1999-04-21
PRIOR APPLICATION NUMBER: US 08/887,352
EARLIER FILING DATE: 1997-07-02
NUMBER OF SEQ ID NOS: 26
SEQ ID NO 13
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial
NAME/KEY: Artificial
LOCATION: 1-218
OTHER INFORMATION: Light chain sequence derived from MAb11
US-09-296-005-13
Query Match      81.3%; Score 1016; DB 3; Length 218;
Best Local Similarity 88.5%; Pred. No. 4,1e-75;
Matches 193; Conservative 12; Mismatches 13; Indels 0; Gaps 0;

QY 21 DIVLTQSPGTLSPSGEATLSCKASQSYVDYDGSYNNYQKPKGAPKLLIYAASNLES 80
DB 1 DIQLTQSPSSLASVGDRTITTCRASQSYVDYDGSYNNYQKPKGAPKLLIYAASNLES 60
QY 81 GIPDRFSGSGGTDFLTITHPVEEDDAATYYCOQSNEDPRTFGQGRLEIKRTVAAPSVF 140
DB 61 GVPDRFSGSGGTDFLTITSLQPEDFATYYCOQSHEDYTTGQGRKVEIKRTVAAPSVF 120
QY 141 IFPPSDQLKSGTASVCLINNFYPRKAVQWKVDNALQSGNSQESVTEQDSKDSYSTLS 200
DB 121 IFPPSDQLKSGTASVCLINNFYPRKAVQWKVDNALQSGNSQESVTEQDSKDSYSTLS 180
QY 201 STLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
DB 181 STLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 218

RESULT 7
US-08-466-163B-9
Sequence 9, Application US/08466163B
Patent No. 6329509
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GENERAL INFORMATION:
APPLICANT: Jarcieu, Paula M.
TITLE OF INVENTION: Immunoglobulin Variants
FILE REFERENCE: P0718P2C1D1
CURRENT APPLICATION NUMBER: US/08/466,163B
CURRENT FILING DATE: 1995-06-06
PRIOR APPLICATION NUMBER: US 08/405,617
PRIOR FILING DATE: 1995-03-15
PRIOR APPLICATION NUMBER: US 08/185,899
PRIOR FILING DATE: 1994-01-26
PRIOR APPLICATION NUMBER: US 07/879,495
PRIOR FILING DATE: 1992-05-07
PRIOR APPLICATION NUMBER: US 07/744,768
PRIOR FILING DATE: 1991-08-14
NUMBER OF SEQ ID NOS: 64
SEQ ID NO 9
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial sequence
FEATURE:
OTHER INFORMATION: humanized mab1, version 1, light chain
US-08-466-163B-9

Query Match 81.3%; Score 1016; DB 4; Length 218;
Best Local Similarity 88.5%; Pred. No. 4,1e-75;
Matches 193; Conservative 12; Mismatches 13; Indels 0; Gaps 0;

QY 21 DIVLTQSPGTLSPGERATLSCAKASQVDYDGSYNNWYQOKRGQPKLLIYAASVLF 80
DB 1 DIQLTQSPSSLASVGDRTVITTCRAKPVNDBSDSYNNWYQOKRGKAPKLLIYAASVLF 60
QY 81 GIDPRSGSGSGTDFTLTTHPVEBEDAATYYCOQSNEDPRTFGQGTLEIKRTVAAPSVF 140
DB 61 GVSRSFGSGSGTDFTLTISLQPEDPATYYCQSHSDPTFGGTVEIKRTVAAPSVF 120
QY 141 IPPSPDEQLKSGTASVVCCLNNFYPREAKYQKVDNALQSGNSQESVTEBDSKDSTYSLS 200
DB 121 IPPSPDEQLKSGTASVVCCLNNFYPREAKYQKVDNALQSGNSQESVTEBDSKDSTYSLS 180
QY 201 STLTLSKADYERKHYVACEVTHQGLSPVTKSFNRGEC 238
DB 181 STLTLSKADYERKHYVACEVTHQGLSPVTKSFNRGEC 218

RESULT 8
US-09-282-505-1
Sequence 1, Application US/09282505A
Patent No. 6194551
GENERAL INFORMATION:
APPLICANT: Eschoe Ekinaduese Idusogie et al.
TITLE OF INVENTION: Polypeptide Variants
FILE REFERENCE: P1266R1
CURRENT APPLICATION NUMBER: US/09/282,505A
CURRENT FILING DATE: 1999-03-31
NUMBER OF SEQ ID NOS: 2
SEQ ID NO 1
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial sequence
FEATURE:
NAME/KEY: Artificial sequence
LOCATION: 1-218
OTHER INFORMATION: Sequence is completely synthesized
Patent No. 6194551
US-09-282-505-1

Query Match 79.5%; Score 993; DB 3; Length 218;
Best Local Similarity 86.7%; Pred. No. 3e-73;
Matches 189; Conservative 14; Mismatches 15; Indels 0; Gaps 0;

QY 21 DIVLTQSPGTLSPGERATLSCAKASQVDYDGSYNNWYQOKRGQPKLLIYAASVLF 80
DB 1 DIQLTQSPSSLASVGDRTVITTCRAKPVNDBSDSYNNWYQOKRGKAPKLLIYAASVLF 60

DB 1 DIQLTQSPSSLASVGDRTVITTCRAKPVNDBSDSYNNWYQOKRGKAPKLLIYAASVLF 60
QY 81 GIDPRSGSGSGTDFTLTTHPVEBEDAATYYCOQSNEDPRTFGQGTLEIKRTVAAPSVF 140
DB 61 GVSRSFGSGSGTDFTLTISLQPEDPATYYCQSHSDPTFGGTVEIKRTVAAPSVF 120
QY 141 IPPSPDEQLKSGTASVVCCLNNFYPREAKYQKVDNALQSGNSQESVTEBDSKDSTYSLS 200
DB 121 IPPSPDEQLKSGTASVVCCLNNFYPREAKYQKVDNALQSGNSQESVTEBDSKDSTYSLS 180
QY 201 STLTLSKADYERKHYVACEVTHQGLSPVTKSFNRGEC 238
DB 181 STLTLSKADYERKHYVACEVTHQGLSPVTKSFNRGEC 218

RESULT 9
US-09-054-255-1
Sequence 1, Application US/09054255
Patent No. 6242195
GENERAL INFORMATION:
APPLICANT: Eschoe Ekinaduese Idusogie et al.
TITLE OF INVENTION: Polypeptide Variants
FILE REFERENCE: P1266
CURRENT APPLICATION NUMBER: US/09/054,255
CURRENT FILING DATE: 1998-04-02
NUMBER OF SEQ ID NOS: 2
SEQ ID NO 1
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial sequence
FEATURE:
OTHER INFORMATION: E27 anti-19E antibody light chain
US-09-054-255-1

Query Match 79.5%; Score 993; DB 3; Length 218;
Best Local Similarity 86.7%; Pred. No. 3e-73;
Matches 189; Conservative 14; Mismatches 15; Indels 0; Gaps 0;

QY 21 DIVLTQSPGTLSPGERATLSCAKASQVDYDGSYNNWYQOKRGQPKLLIYAASVLF 80
DB 1 DIQLTQSPSSLASVGDRTVITTCRAKPVNDBSDSYNNWYQOKRGKAPKLLIYAASVLF 60
QY 81 GIDPRSGSGSGTDFTLTTHPVEBEDAATYYCOQSNEDPRTFGQGTLEIKRTVAAPSVF 140
DB 61 GVSRSFGSGSGTDFTLTISLQPEDPATYYCQSHSDPTFGGTVEIKRTVAAPSVF 120
QY 141 IPPSPDEQLKSGTASVVCCLNNFYPREAKYQKVDNALQSGNSQESVTEBDSKDSTYSLS 200
DB 121 IPPSPDEQLKSGTASVVCCLNNFYPREAKYQKVDNALQSGNSQESVTEBDSKDSTYSLS 180
QY 201 STLTLSKADYERKHYVACEVTHQGLSPVTKSFNRGEC 238
DB 181 STLTLSKADYERKHYVACEVTHQGLSPVTKSFNRGEC 218

RESULT 10
US-09-282-846-1
Sequence 1, Application US/09282846
Patent No. 6528624
GENERAL INFORMATION:
APPLICANT: Eschoe Ekinaduese Idusogie et al.
TITLE OF INVENTION: Polypeptide Variants
FILE REFERENCE: P1266R2
CURRENT APPLICATION NUMBER: US/09/282,846
CURRENT FILING DATE: 1999-03-31
NUMBER OF SEQ ID NOS: 2
SEQ ID NO 1
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial sequence
FEATURE:
NAME/KEY: Artificial sequence
LOCATION: 1-218

Mon Feb 23 07:54:42 2004

us-09-499-662-54.pat

OTHER INFORMATION: Sequence is completely synthesized
 Patent No. 6528624
 US-09-282-846-1

79.5%; Score 993; DB 4; Length 218;
 Best Local Similarity 86.7%; Pred. No. 3e-73; Indels 0; Gaps 0;
 Matches 189; Conservative 14; Mismatches 15;

Query Match
 21 DIVLTGSGTSLSPGERATLSCKASQSVYDGSYNNWYQKPGPKLLIYAASNLGS 80
 1 DIQLTQSPSSISASVGDRTVITCRASKPVDGSDSYNNWYQKPGKAPKLLIYAASVLF 60
 81 GIPDRFSGSGGTDFTLTIHPVEEDDAATYYCOQSNEDPRTFGGCTLEIKRTVAAPSVF 120
 61 GVPSRFSGSGGTDFTLTISSLOPEDFAITYCOQSHEDPRTFGGCTVKEIKRTVAAPSVF 120
 141 IPPSDPOLKSGTASVVCCLANNFYPREAKVQMKVNNALOSGNSQESVTEODSKDSTYSLS 200
 121 IPPSDPOLKSGTASVVCCLANNFYPREAKVQMKVNNALOSGNSQESVTEODSKDSTYSLS 180
 201 STLTLSKADYERKHYKVAACEVTHQGLSSPVTKSFNRCGC 238
 181 STLTLSKADYERKHYKVAACEVTHQGLSSPVTKSFNRCGC 218

RESULT 11

US-09-680-145-1
 Sequence 1, Application US/09680145

Patent No. 6538124
 GENERAL INFORMATION:
 APPLICANT: Roche Ekinaduse Idusogie et al.
 TITLE OF INVENTION: Polypeptide Variants
 FILE REFERENCE: P126681
 CURRENT FILING DATE: 2000-10-03
 PRIOR APPLICATION NUMBER: 09/282,505
 PRIOR FILING DATE: 1999-03-13
 NUMBER OF SEQ ID NOS: 2
 SEQ ID NO 1
 LENGTH: 218
 TYPE: PRT
 ORGANISM: Artificial Sequence
 FEATURE:
 NAME/KEY: Artificial Sequence
 LOCATION: 1-218
 OTHER INFORMATION: Sequence is completely synthesized
 Patent No. 6538124
 US-09-680-145-1

79.5%; Score 993; DB 4; Length 218;
 Best Local Similarity 86.7%; Pred. No. 3e-73; Indels 0; Gaps 0;
 Matches 189; Conservative 14; Mismatches 15;

Query Match
 21 DIVLTGSGTSLSPGERATLSCKASQSVYDGSYNNWYQKPGPKLLIYAASNLGS 80
 1 DIQLTQSPSSISASVGDRTVITCRASKPVDGSDSYNNWYQKPGKAPKLLIYAASVLF 60
 81 GIPDRFSGSGGTDFTLTIHPVEEDDAATYYCOQSNEDPRTFGGCTLEIKRTVAAPSVF 140
 61 GVPSRFSGSGGTDFTLTISSLOPEDFAITYCOQSHEDPRTFGGCTVKEIKRTVAAPSVF 120
 141 IPPSDPOLKSGTASVVCCLANNFYPREAKVQMKVNNALOSGNSQESVTEODSKDSTYSLS 200
 121 IPPSDPOLKSGTASVVCCLANNFYPREAKVQMKVNNALOSGNSQESVTEODSKDSTYSLS 180
 201 STLTLSKADYERKHYKVAACEVTHQGLSSPVTKSFNRCGC 238
 181 STLTLSKADYERKHYKVAACEVTHQGLSSPVTKSFNRCGC 218

RESULT 12
 US-08-887-352B-15
 Sequence 15, Application US/08887352B

Patent No. 5994511

GENERAL INFORMATION:
 APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
 TITLE OF INVENTION: Improved Anti-IgB Antibodies and Method of
 TITLE OF INVENTION: Improving Polypeptides
 NUMBER OF SEQUENCES: 26
 CORRESPONDENCE ADDRESS:
 ADDRESS: Genentech, Inc.
 STREET: 1 DNA Way
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080

COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Winpatin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/887,352B
 FILING DATE: 03-Jul-1997
 CLASSIFICATION: 530
 ATTORNEY/AGENT INFORMATION:
 NAME: SVOODA, Craig G.
 REGISTRATION NUMBER: 39,044
 REFERENCE/DOCKET NUMBER: P1123
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650/225-1489
 TELEFAX: 650/952-9881
 INFORMATION FOR SEQ ID NO: 15:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 218 amino acids
 TYPE: Amino Acid
 TOPOLOGY: linear

US-08-887-352B-15

79.3%; Score 990; DB 2; Length 218;
 Best Local Similarity 86.2%; Pred. No. 5.2e-73; Indels 0; Gaps 0;
 Matches 188; Conservative 15; Mismatches 15;

Query Match
 21 DIVLTGSGTSLSPGERATLSCKASQSVYDGSYNNWYQKPGPKLLIYAASNLGS 80
 1 DIQLTQSPSSISASVGDRTVITCRASKPVDGSDSYNNWYQKPGKAPKLLIYAASVLF 60
 81 GIPDRFSGSGGTDFTLTIHPVEEDDAATYYCOQSNEDPRTFGGCTLEIKRTVAAPSVF 140
 61 GVPSRFSGSGGTDFTLTISSLOPEDFAITYCOQSHEDPRTFGGCTVKEIKRTVAAPSVF 120
 141 IPPSDPOLKSGTASVVCCLANNFYPREAKVQMKVNNALOSGNSQESVTEODSKDSTYSLS 200
 121 IPPSDPOLKSGTASVVCCLANNFYPREAKVQMKVNNALOSGNSQESVTEODSKDSTYSLS 180
 201 STLTLSKADYERKHYKVAACEVTHQGLSSPVTKSFNRCGC 238
 181 STLTLSKADYERKHYKVAACEVTHQGLSSPVTKSFNRCGC 218

RESULT 13

US-08-887-352B-17
 Sequence 17, Application US/08887352B

Patent No. 5994511
 GENERAL INFORMATION:
 APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
 TITLE OF INVENTION: Improved Anti-IgB Antibodies and Method of
 TITLE OF INVENTION: Improving Polypeptides
 NUMBER OF SEQUENCES: 26
 CORRESPONDENCE ADDRESS:
 ADDRESS: Genentech, Inc.
 STREET: 1 DNA Way
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/952-9881
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-17

Query Match 79.3%; Score 990; DB 2; Length 218;
Best Local Similarity 86.2%; Pred. No. 5.2e-73;
Matches 188; Conservative 15; Mismatches 15; Indels 0; Gaps 0;

QY 21 DIVLTGSPGTLSPGERATLSCAKASQVDYDSDYNNWYQKRGQPKLLIYAASVLE 80
DB 1 DIQLTGSPSSLASVGRVITTCRAKRPVDEGSDSYNNWYQKRGKAPKLLIYAASVLE 60
QY 81 GIDPRFSGSGGTDFTLTIHPVEEDDAATYYCCQSNEDPRTFGQGTLEIKRTVAAPSVP 140
DB 61 GVPSRFSGSGSGTDFTLTISLQPEDPATYCCQSHEDPYTFGGGTKEIKRTVAAPSVP 120
QY 141 IFPPSDQLKSGTASVVCCLNFPYPRKAKYQWKVDNALQSGNSQESVTEQDSKDSTYSLS 200
DB 121 IFPPSDQLKSGTASVVCCLNFPYPRKAKYQWKVDNALQSGNSQESVTEQDSKDSTYSLS 180
QY 201 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
DB 181 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 218

RESULT 14
US-08-887-352B-19
Sequence 19, Application US/08887352B
Patent No. 5994511
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
TITLE OF INVENTION: Improved Anti-19E Antibodies and Method of
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123

TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/952-9881
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-19

Query Match 79.3%; Score 990; DB 2; Length 218;
Best Local Similarity 86.2%; Pred. No. 5.2e-73;
Matches 188; Conservative 15; Mismatches 15; Indels 0; Gaps 0;

QY 21 DIVLTGSPGTLSPGERATLSCAKASQVDYDSDYNNWYQKRGQPKLLIYAASVLE 80
DB 1 DIQLTGSPSSLASVGRVITTCRAKRPVDEGSDSYNNWYQKRGKAPKLLIYAASVLE 60
QY 81 GIDPRFSGSGGTDFTLTIHPVEEDDAATYYCCQSNEDPRTFGQGTLEIKRTVAAPSVP 140
DB 61 GVPSRFSGSGGTDFTLTISLQPEDPATYCCQSHEDPYTFGGGTKEIKRTVAAPSVP 120
QY 141 IFPPSDQLKSGTASVVCCLNFPYPRKAKYQWKVDNALQSGNSQESVTEQDSKDSTYSLS 200
DB 121 IFPPSDQLKSGTASVVCCLNFPYPRKAKYQWKVDNALQSGNSQESVTEQDSKDSTYSLS 180
QY 201 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
DB 181 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 218

RESULT 15
US-08-887-352B-24
Sequence 24, Application US/08887352B
Patent No. 5994511
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
TITLE OF INVENTION: Improved Anti-19E Antibodies and Method of
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/952-9881
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-24

Query Match 79.3%; Score 990; DB 2; Length 218;
Best Local Similarity 86.2%; Pred. No. 5.2e-73;
Matches 188; Conservative 15; Mismatches 15; Indels 0; Gaps 0;

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Qy 21 DIVLTOSPGTSLSPGERATLSCAKASQSVYDGDSDYNNWYQOKPGOPKLLIYAASNLES 80
Db 1 DIQITQSPSSLASVGRVTITTCRAKRPVDGSDSTLANWYQKPKAKPKLLIYAASNLES 60
Qy 81 GIPDRFSGSGSGTDFTLTIHPVEEDDAATYYCQOSNEDPRTFGQGTRLAIKRTVAAPSVF 140
Db 61 GVPDRFSGSGSGTDFTLTISSSLQPEDPATYCCQOSHEDPYTFGGGTKEIKRTVAAPSVF 120
Qy 141 IPPPSDEQLASGTASVCLANNFYPRRAKQWMDNALQSGNSQESVTEQDSKDSSTYSL 200
Db 121 IPPPSDEQLASGTASVCLANNFYPRRAKQWMDNALQSGNSQESVTEQDSKDSSTYSL 180
Qy 201 STLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 238
Db 181 STLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 218

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GenCore version 5.1.6
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OM protein - protein search, using SW model

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Title: US-09-499-662-54

Perfect score: 1249

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Gapop 10.0 , Gapext 0.5

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Published Applications AA:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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4	1238	99.1	238	15	US-10-216-484-52
5	1231	98.6	238	12	US-10-384-933-109
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7	1194	95.6	238	12	US-10-384-933-50
8	1194	95.6	238	15	US-10-216-484-50
9	1193	95.5	238	12	US-10-384-933-107
10	1193	95.5	238	15	US-10-216-484-107
11	1157	92.6	238	12	US-10-384-933-129
12	1157	92.6	238	15	US-10-216-484-129
13	1154	92.4	238	12	US-10-384-933-131
14	1154	92.4	238	15	US-10-216-484-131
15	1153	92.3	238	12	US-10-384-933-127

16	1153	92.3	238	15	US-10-216-484-127	Sequence 127, App
17	1140	91.3	238	12	US-10-353-708-38	Sequence 38, App1
18	1140	91.3	238	15	US-10-353-708-56	Sequence 56, App1
19	1140	91.3	238	15	US-10-171-452A-38	Sequence 38, App1
20	1140	91.3	238	15	US-10-171-452A-56	Sequence 56, App1
21	1130	90.5	238	12	US-10-353-708-44	Sequence 44, App1
22	1130	90.5	238	15	US-10-353-708-50	Sequence 50, App1
23	1130	90.5	238	12	US-10-171-452A-44	Sequence 44, App1
24	1130	90.5	238	15	US-10-171-452A-50	Sequence 50, App1
25	1042	83.4	238	15	US-10-449-566-98	Sequence 98, App1
26	1039	83.2	240	12	US-10-159-006-36	Sequence 36, App1
27	1032	82.6	218	12	US-10-353-708-39	Sequence 39, App1
28	1032	82.6	218	15	US-10-353-708-57	Sequence 57, App1
29	1032	82.6	218	15	US-10-171-452A-39	Sequence 39, App1
30	1032	82.6	218	15	US-10-171-452A-57	Sequence 57, App1
31	1031	82.5	218	12	US-10-449-566-119	Sequence 119, App
32	1030	82.5	218	9	US-09-917-410-2	Sequence 2, App11
33	1029	82.4	218	11	US-09-925-179-67	Sequence 67, App1
34	1029	82.4	218	12	US-10-449-566-102	Sequence 102, App
35	1024.5	82.0	235	15	US-10-153-382-7	Sequence 7, App1
36	1022	81.8	218	12	US-10-353-708-45	Sequence 45, App1
37	1022	81.8	218	12	US-10-353-708-51	Sequence 51, App1
38	1022	81.8	218	15	US-10-171-452A-45	Sequence 45, App1
39	1022	81.8	218	15	US-10-171-452A-51	Sequence 51, App1
40	1016	81.3	218	9	US-09-802-077-9	Sequence 9, App11
41	1016	81.3	218	9	US-09-802-096-9	Sequence 9, App11
42	1016	81.3	218	9	US-09-920-171-13	Sequence 13, App1
43	1016	81.3	218	11	US-09-925-179-9	Sequence 9, App11
44	1016	81.3	218	12	US-10-113-966-13	Sequence 13, App1
45	1014	81.2	236	10	US-09-859-053-34	Sequence 34, App1

ALIGNMENTS

RESULT 1
US-10-384-933-54
; Sequence 54, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1Jufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OR INVENTION: Anti-Pas Antibodies
; FILE REFERENCE: 980126CJP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/459,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 54
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURES:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Pas antibody
US-10-384-933-54

Query Match 100.0%; Score 1249; DB 12; Length 238;
Best local similarity 100.0%; Pred. No. 3.6e-87;
Matches 238; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 MDTDTLLWVLWLVMPGSGNGDVTGSPGTLSPGRATLSCASQSDVDGSGYNNWY 60
Db 1 MDTDTLLWVLWLVMPGSGNGDVTGSPGTLSPGRATLSCASQSDVDGSGYNNWY 60
Cy 61 QOKGQPKLLIYAASNLBSGIDPRFSGSGGTDFTLTHPVEEDATATYCCQSDNEDPR 120

Db 61 QOKPGQPKLLIYAASNLBSGIPDRFSGSGSGTDFTLTTHPEBEDATATYCCQSNEDPR 120
121 TFGGTRLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLINNFYREAKVQWKVDNALQ 180
121 TFGGTRLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLINNFYREAKVQWKVDNALQ 180
Qy 181 GNSQESVTEQDSKDSSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPTKSFNRGEC 238
181 GNSQESVTEQDSKDSSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPTKSFNRGEC 238
Db

RESULT 2
US-10-216-484-54
Sequence 54, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 54
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
US-10-216-484-54

Query Match 100.0%; Score 1249; DB 15; Length 238;
Best Local Similarity 100.0%; Pred. No. 3.6e-87;
Matches 238; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 METDTILLWVLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVYDGDSTNNMY 60
1 METDTILLWVLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVYDGDSTNNMY 60
Db 1 METDTILLWVLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVYDGDSTNNMY 60
Qy 61 QOKPGQPKLLIYAASNLBSGIPDRFSGSGSGTDFTLTTHPEBEDATATYCCQSNEDPR 120
61 QOKPGQPKLLIYAASNLBSGIPDRFSGSGSGTDFTLTTHPEBEDATATYCCQSNEDPR 120
Db 61 QOKPGQPKLLIYAASNLBSGIPDRFSGSGSGTDFTLTTHPEBEDATATYCCQSNEDPR 120
Qy 121 TFGGTRLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLINNFYREAKVQWKVDNALQ 180
121 TFGGTRLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLINNFYREAKVQWKVDNALQ 180
Db 121 TFGGTRLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLINNFYREAKVQWKVDNALQ 180
Qy 181 GNSQESVTEQDSKDSSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPTKSFNRGEC 238
181 GNSQESVTEQDSKDSSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPTKSFNRGEC 238
Db 181 GNSQESVTEQDSKDSSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPTKSFNRGEC 238

RESULT 3
US-10-384-933-52
Sequence 52, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933

CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 52
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
US-10-384-933-52

Query Match 99.1%; Score 1238; DB 12; Length 238;
Best Local Similarity 99.2%; Pred. No. 2.5e-86;
Matches 236; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
Qy 1 METDTILLWVLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVYDGDSTNNMY 60
1 METDTILLWVLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVYDGDSTNNMY 60
Db 1 METDTILLWVLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVYDGDSTNNMY 60
Qy 61 QOKPGQPKLLIYAASNLBSGIPDRFSGSGSGTDFTLTTHPEBEDATATYCCQSNEDPR 120
61 QOKPGQPKLLIYAASNLBSGIPDRFSGSGSGTDFTLTTHPEBEDATATYCCQSNEDPR 120
Db 61 QOKPGQPKLLIYAASNLBSGIPDRFSGSGSGTDFTLTTHPEBEDATATYCCQSNEDPR 120
Qy 121 TFGGTRLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLINNFYREAKVQWKVDNALQ 180
121 TFGGTRLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLINNFYREAKVQWKVDNALQ 180
Db 121 TFGGTRLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLINNFYREAKVQWKVDNALQ 180
Qy 181 GNSQESVTEQDSKDSSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPTKSFNRGEC 238
181 GNSQESVTEQDSKDSSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPTKSFNRGEC 238
Db 181 GNSQESVTEQDSKDSSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPTKSFNRGEC 238

RESULT 4
US-10-216-484-52
Sequence 52, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 52
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
US-10-216-484-52

Query Match 99.1%; Score 1238; DB 15; Length 238;
Best Local Similarity 99.2%; Pred. No. 2.5e-86;
Matches 236; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
Qy 1 METDTILLWVLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVYDGDSTNNMY 60
1 METDTILLWVLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVYDGDSTNNMY 60
Db 1 METDTILLWVLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVYDGDSTNNMY 60
Qy 61 QOKPGQPKLLIYAASNLBSGIPDRFSGSGSGTDFTLTTHPEBEDATATYCCQSNEDPR 120

us-09-499-662-54.rapb

Db 61 OQKFGQAPRLLIYAASNLSEGI PDPSPSGSGSTDTLLTHVEHSEDATYYCQGSNEDPR 120

QY 121 TFGQGRLEIKRTVAAPSVFIFPPSDDQLKSGTASVCLANNFYREAKYQMKYDNLQS 180

Db 121 TFGQGRLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLANNFYREAKYQMKYDNLQS 180

QY 181 GNSQESVTEDSDSDSYTSLSTLTLSKADYERKHYKVAACEVTHQGLSSPYTGSFNRGEC 238

Db 181 GNSQESVTEDSDSDSYTSLSTLTLSKADYERKHYKVAACEVTHQGLSSPYTGSFNRGEC 238

```

? GENERAL INFORMATION: No. US20030170817A1:ntusa
? APPLICANT: Seitzawa, No.
? APPLICANT: Haruyama, Hideyuki
? APPLICANT: Nakahara, Kaori
? APPLICANT: Tamaki, Ikuko
? APPLICANT: Takahashi, Tohru
? TITLE OF INVENTION: Anti-Pas Antibodies
? FILE REFERENCE: 980126C1P/HG
? CURRENT APPLICATION NUMBER: US/10/384,933
? CURRENT FILING DATE: 2003-02-05
? PRIOR APPLICATION NUMBER: US/09/499,662
? PRIOR FILING DATE: 2000-02-09
? PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
? PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
? NUMBER OF SEQ ID NOS: 165
? SEQ ID NO 109
? LENGTH: 238
? TYPE: PRT
? ORGANISM: Artificial Sequence
? FEATURE:
? OTHER INFORMATION: Description of Artificial Sequence: Designed light
? OTHER INFORMATION: chain of humanized anti-Pas antibody
? US-10-384-933-109

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Query Match	98.6%	Score 1231	DB 12	Length 238
Best Local Similarity	98.3%	Pred. No. 8,4e-66		
Matches 234	Conservative	3	Mismatches 1	Indels 0
				Gaps 0

QY 1 METPTLLMVLTLVWPGSIGDVIYLTQSPGTLTSLSPGRATLISCKAASVDYDSDSYNNY 60
1 METPTLLMVLTLVWPGSIGDVIYLTQSPGTLTSLSPGRATLISCKAASVDYDSDSYNNY 60
Db 1 METPTLLMVLTLVWPGSIGDVIYLTQSPGTLTSLSPGRATLISCKAASVDYDSDSYNNY 60
QY 61 OOKPQOPKLLIYAASNLIESGIPDRFGSGSGGTPTLTIHVEBEDAATYYCOQSNEDPR 120
61 OOKPQOPKLLIYAASNLIESGIPDRFGSGSGGTPTLTIHVEBEDAATYYCOQSNEDPR 120
Db 61 OOKPQOPKLLIYAASNLIESGIPDRFGSGSGGTPTLTIHVEBEDAATYYCOQSNEDPR 120
QY 121 TFGQGRLEIKRTVAAPSVFIRPPEDBQIKSGTASVVCLLNFFPREAKYOMKYDNLQIS 180
121 TFGQGRLEIKRTVAAPSVFIRPPEDBQIKSGTASVVCLLNFFPREAKYOMKYDNLQIS 180
QY 121 TFGQGRLEIKRTVAAPSVFIRPPEDBQIKSGTASVVCLLNFFPREAKYOMKYDNLQIS 180
Db 121 TFGQGRLEIKRTVAAPSVFIRPPEDBQIKSGTASVVCLLNFFPREAKYOMKYDNLQIS 180
QY 181 GNSQSEVTBQDSKDSYSLSTLTLSKADYEHKRYACVETHQGISPVTKSPNRGEC 238
181 GNSQSEVTBQDSKDSYSLSTLTLSKADYEHKRYACVETHQGISPVTKSPNRGEC 238
QY 181 GNSQSEVTBQDSKDSYSLSTLTLSKADYEHKRYACVETHQGISPVTKSPNRGEC 238
Db 181 GNSQSEVTBQDSKDSYSLSTLTLSKADYEHKRYACVETHQGISPVTKSPNRGEC 238

RESULT 6
 US-10-216-484-109
 Sequence 109, Application US/10216484
 Publication No. US20030103976A1
 GENERAL INFORMATION:
 APPLICANT: Serizawa, No. US20030103976A1ufusa
 APPLICANT: Hatuyama, Hieyuki
 APPLICANT: Nakahara, Keori
 APPLICANT: Yamaki, Ikuro
 APPLICANT: Takahashi, Tetsu
 TITLE OF INVENTION: Anti-Fas Antibodies
 FILE REFERENCE: 980126CIP/HG

Query Match	98.6%;	Score 1221;	22
Best Local Similarity	98.3%;	Pred. No. 8,4e-86;	
Matches 234; Conservative	3;	Mismatches 1;	Indels 0; Gaps 0;

[illegible]

RESULT 7
 US-10-384-933-50
 Sequence 50, Application US/10384933
 Publication No. US20030170817A1
 GENERAL INFORMATION:
 APPLICANT: Serizawa, No. US20030170817A1ufusa
 APPLICANT: Haruyama, Hideyuki
 APPLICANT: Nakahara, Keori
 APPLICANT: Tamaki, Ikuko
 APPLICANT: Takahashi, Tohru
 TITLE OF INVENTION: Anti-Pas Antibodies
 FILE REFERENCE: 980126CIP/HG
 CURRENT APPLICATION NUMBER: US/10/384, 933
 CURRENT FILING DATE: 2003-02-05
 PRIOR APPLICATION NUMBER: US/09/499, 662
 PRIOR FILING DATE: 2000-02-09
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053, 583
 PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
 NUMBER OF SEQ ID NOS: 165
 SEQ ID NO 50
 LENGTH: 238
 TYPE: PRT
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: Description of Artificial Sequence: Designed light
 OTHER INFORMATION: chain of humanized anti-Pas antibody
 US-10-384-933-50

Query Match	95.64%	Score 1194	DB 12	Length 238	
Best Local Similarity	96.28%	Prod No. 5	46-83		
Matches	229	Conservative	2	Mismatches	7
				Indels	0
				Gaps	0
QY	1	METDTTLLMVLMMVPGSTGGIVLTQSGTSLSPGGRATLSCKAASQVYDDSDSYNNY	60		
	1	METDTTLLMVLMMVPGSTGGIVLTQSGTSLSPGGRATLSCKAASQVYDDSDSYNNY	60		

```

QY 61 QOKRGQPKLLIYAASNLBSGIDPFRSGSGGTDFTLTHPEEEDAATYYCOQSNEDPR 120
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 61 QOKRGQAPRLIIYAASNLBSGIDPFRSGSGGTDFTLTHPEEEDAATYYCOQSNEDPR 120
QY 121 TFGGCTLEIKRTVAASVPIPPPSDQOLKSGTASVVCCLNPFPRKAKVQWKVDNALQS 180
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 121 TFGGCTLEIKRTVAASVPIPPPSDQOLKSGTASVVCCLNPFPRKAKVQWKVDNALQS 180
QY 181 GNSQSVTEBDSKDSSTLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 181 GNSQSVTEBDSKDSSTLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

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RESULT 8

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US-10-216-484-50
; Sequence 50, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CJP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 50
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-50

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```

Query Match 95.8%; Score 1194; DB 15; Length 238;
Best Local Similarity 95.2%; Pred. No. 5,4e-83;
Matches 229; Conservative 2; Mismatches 7; Indels 0; Gaps 0;

QY 1 METDTLLMWLLMWVPGSTGDIYLTQSPGTLSISPGERATLSCAKASQVDYDGSYNNWY 60
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 1 METDTLLMWLLMWVPGSTGDIYLTQSPGTLSISPGERATLSCAKASQVDYDGSYNNWY 60
QY 61 QOKRGQPKLLIYAASNLBSGIDPFRSGSGGTDFTLTHPEEEDAATYYCOQSNEDPR 120
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 61 QOKRGQAPRLIIYAASNLBSGIDPFRSGSGGTDFTLTHPEEEDAATYYCOQSNEDPR 120
QY 121 TFGGCTLEIKRTVAASVPIPPPSDQOLKSGTASVVCCLNPFPRKAKVQWKVDNALQS 180
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 121 TFGGCTLEIKRTVAASVPIPPPSDQOLKSGTASVVCCLNPFPRKAKVQWKVDNALQS 180
QY 181 GNSQSVTEBDSKDSSTLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 181 GNSQSVTEBDSKDSSTLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

```

RESULT 9

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US-10-384-933-107
; Sequence 107, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies

```

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; FILE REFERENCE: 980126CJP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 107
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-107

```

```

Query Match 95.5%; Score 1193; DB 12; Length 238;
Best Local Similarity 95.8%; Pred. No. 6,4e-83;
Matches 228; Conservative 4; Mismatches 6; Indels 0; Gaps 0;

QY 1 METDTLLMWLLMWVPGSTGDIYLTQSPGTLSISPGERATLSCAKASQVDYDGSYNNWY 60
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 1 METDTLLMWLLMWVPGSTGDIYLTQSPGTLSISPGERATLSCAKASQVDYDGSYNNWY 60
QY 61 QOKRGQPKLLIYAASNLBSGIDPFRSGSGGTDFTLTHPEEEDAATYYCOQSNEDPR 120
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 61 QOKRGQAPRLIIYAASNLBSGIDPFRSGSGGTDFTLTHPEEEDAATYYCOQSNEDPR 120
QY 121 TFGGCTLEIKRTVAASVPIPPPSDQOLKSGTASVVCCLNPFPRKAKVQWKVDNALQS 180
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 121 TFGGCTLEIKRTVAASVPIPPPSDQOLKSGTASVVCCLNPFPRKAKVQWKVDNALQS 180
QY 181 GNSQSVTEBDSKDSSTLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 181 GNSQSVTEBDSKDSSTLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

```

RESULT 10

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US-10-216-484-107
; Sequence 107, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CJP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 107
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-107

```

```

Query Match 95.5%; Score 1193; DB 15; Length 238;
Best Local Similarity 95.8%; Pred. No. 6,4e-83;
Matches 228; Conservative 4; Mismatches 6; Indels 0; Gaps 0;

QY 1 METDTLLMWLLMWVPGSTGDIYLTQSPGTLSISPGERATLSCAKASQVDYDGSYNNWY 60
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 1 METDTLLMWLLMWVPGSTGDIYLTQSPGTLSISPGERATLSCAKASQVDYDGSYNNWY 60

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```

QY 61 QOKRGPRLIYAASNLISGIPDRFSGSGGTDTLTIHVEBEDATYYCCQSNEDPR 120
DB 61 QOKRGPRLIYAASNLISGIPDRFSGSGGTDTLTIHVEBEDATYYCCQSNEDPR 120
QY 121 TFGGTLKIKRTVAASVPIFPSPDEQLKSGTASVCLNNFYPREAKVOMKVDNALQS 180
DB 121 TFGGTLKIKRTVAASVPIFPSPDEQLKSGTASVCLNNFYPREAKVOMKVDNALQS 180
QY 181 GNSQSVTEBDSKSTYSLSSTLTLSKADYKHKVYACEVTHQGLSSPVTKSPNRGEC 238
DB 181 GNSQSVTEBDSKSTYSLSSTLTLSKADYKHKVYACEVTHQGLSSPVTKSPNRGEC 238

```

RESULT 11

```

US-10-384-933-129
; Sequence 129, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; PRIOR FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 129
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-129

```

```

Query Match 92.6%; Score 1157; DB 12; Length 238;
Best Local Similarity 92.0%; Pred. No. 3.4e-80;
Matches 219; Conservative 9; Mismatches 10; Indels 0; Gaps 0;

QY 1 METDTILLWVLLWVPGSTGDIVLTQSPGTLSLSPGERATLSCRAQGVVDYDGSYNNMY 60
DB 1 METDTILLWVLLWVPGSTGDIVLTQSPGTLSLSPGERATLSCRAQGVVDYDGSYNNMY 60
QY 61 QOKRGPRLIYAASNLISGIPDRFSGSGGTDTLTIHVEBEDATYYCCQSNEDPR 120
DB 61 QOKRGPRLIYAASNLISGIPDRFSGSGGTDTLTIHVEBEDATYYCCQSNEDPR 120
QY 121 TFGGTLKIKRTVAASVPIFPSPDEQLKSGTASVCLNNFYPREAKVOMKVDNALQS 180
DB 121 TFGGTLKIKRTVAASVPIFPSPDEQLKSGTASVCLNNFYPREAKVOMKVDNALQS 180
QY 181 GNSQSVTEBDSKSTYSLSSTLTLSKADYKHKVYACEVTHQGLSSPVTKSPNRGEC 238
DB 181 GNSQSVTEBDSKSTYSLSSTLTLSKADYKHKVYACEVTHQGLSSPVTKSPNRGEC 238

```

```

RESULT 12
US-10-216-484-129
; Sequence 129, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru

```

```

; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 129
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-129

```

```

Query Match 92.6%; Score 1157; DB 15; Length 238;
Best Local Similarity 92.0%; Pred. No. 3.4e-80;
Matches 219; Conservative 9; Mismatches 10; Indels 0; Gaps 0;

QY 1 METDTILLWVLLWVPGSTGDIVLTQSPGTLSLSPGERATLSCRAQGVVDYDGSYNNMY 60
DB 1 METDTILLWVLLWVPGSTGDIVLTQSPGTLSLSPGERATLSCRAQGVVDYDGSYNNMY 60
QY 61 QOKRGPRLIYAASNLISGIPDRFSGSGGTDTLTIHVEBEDATYYCCQSNEDPR 120
DB 61 QOKRGPRLIYAASNLISGIPDRFSGSGGTDTLTIHVEBEDATYYCCQSNEDPR 120
QY 121 TFGGTLKIKRTVAASVPIFPSPDEQLKSGTASVCLNNFYPREAKVOMKVDNALQS 180
DB 121 TFGGTLKIKRTVAASVPIFPSPDEQLKSGTASVCLNNFYPREAKVOMKVDNALQS 180
QY 181 GNSQSVTEBDSKSTYSLSSTLTLSKADYKHKVYACEVTHQGLSSPVTKSPNRGEC 238
DB 181 GNSQSVTEBDSKSTYSLSSTLTLSKADYKHKVYACEVTHQGLSSPVTKSPNRGEC 238

```

RESULT 13

```

US-10-384-933-131
; Sequence 131, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; PRIOR FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 131
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-131

```

```

Query Match 92.4%; Score 1154; DB 12; Length 238;
Best Local Similarity 92.0%; Pred. No. 5.8e-80;
Matches 219; Conservative 9; Mismatches 10; Indels 0; Gaps 0;

QY 1 METDTILLWVLLWVPGSTGDIVLTQSPGTLSLSPGERATLSCRAQGVVDYDGSYNNMY 60
DB 1 METDTILLWVLLWVPGSTGDIVLTQSPGTLSLSPGERATLSCRAQGVVDYDGSYNNMY 60

```

```

Db      1 METDTLLWLLMWPGSTGDIIVLTGSPSSLSASVGRVTITTCASQSVYDGDSTNNMY 60
Qy      61 QOKRGPCKLLIYAASNLBSGIPDRFSGSGGTDFTLTTHPVEBEDAATYYCOQSNEDPR 120
        |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db      61 QOKRGPCKLLIYAASNLBSGIPDRFSGSGGTDFTLTTHPVEBEDAATYYCOQSNEDPR 120
Qy      121 TFGQGTREIKRTVAAPSVFIFPPSDEQLKSGTASVCLNNFPYPRAKYQMKVDNALQS 180
        |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db      121 TFGQGTREIKRTVAAPSVFIFPPSDEQLKSGTASVCLNNFPYPRAKYQMKVDNALQS 180
Qy      181 GNSQSVTEODSDSTYSLSSTLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 238
        |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db      181 GNSQSVTEODSDSTYSLSSTLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 238

```

RESULT 14

```

US-10-216-484-131
; Sequence 131, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; PRIORITY FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 131
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-131

```

```

Query Match      92.4%; Score 1154; DB 15; Length 238;
Best Local Similarity 92.0%; Pred. No. 5.8e-80;
Matches 219; Conservative 9; Mismatches 10; Indels 0; Gaps 0;

Qy      1 METDTLLWLLMWPGSTGDIIVLTGSPSSLSASVGRVTITTCASQSVYDGDSTNNMY 60
        |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db      1 METDTLLWLLMWPGSTGDIIVLTGSPSSLSASVGRVTITTCASQSVYDGDSTNNMY 60
Qy      61 QOKRGPCKLLIYAASNLBSGIPDRFSGSGGTDFTLTTHPVEBEDAATYYCOQSNEDPR 120
        |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db      61 QOKRGPCKLLIYAASNLBSGIPDRFSGSGGTDFTLTTHPVEBEDAATYYCOQSNEDPR 120
Qy      121 TFGQGTREIKRTVAAPSVFIFPPSDEQLKSGTASVCLNNFPYPRAKYQMKVDNALQS 180
        |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db      121 TFGQGTREIKRTVAAPSVFIFPPSDEQLKSGTASVCLNNFPYPRAKYQMKVDNALQS 180
Qy      181 GNSQSVTEODSDSTYSLSSTLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 238
        |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db      181 GNSQSVTEODSDSTYSLSSTLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 238

```

RESULT 15

```

US-10-384-933-127
; Sequence 127, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko

```

```

; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; PRIORITY FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 127
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-127

```

```

Query Match      92.3%; Score 1153; DB 12; Length 238;
Best Local Similarity 91.6%; Pred. No. 6.3e-80;
Matches 218; Conservative 10; Mismatches 10; Indels 0; Gaps 0;

Qy      1 METDTLLWLLMWPGSTGDIIVLTGSPSSLSASVGRVTITTCASQSVYDGDSTNNMY 60
        |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db      1 METDTLLWLLMWPGSTGDIIVLTGSPSSLSASVGRVTITTCASQSVYDGDSTNNMY 60
Qy      61 QOKRGPCKLLIYAASNLBSGIPDRFSGSGGTDFTLTTHPVEBEDAATYYCOQSNEDPR 120
        |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db      61 QOKRGPCKLLIYAASNLBSGIPDRFSGSGGTDFTLTTHPVEBEDAATYYCOQSNEDPR 120
Qy      121 TFGQGTREIKRTVAAPSVFIFPPSDEQLKSGTASVCLNNFPYPRAKYQMKVDNALQS 180
        |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db      121 TFGQGTREIKRTVAAPSVFIFPPSDEQLKSGTASVCLNNFPYPRAKYQMKVDNALQS 180
Qy      181 GNSQSVTEODSDSTYSLSSTLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 238
        |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db      181 GNSQSVTEODSDSTYSLSSTLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 238

```

Search completed: February 20, 2004, 14:25:31
 Job time : 19.0486 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compen Ltd.

OM protein - protein search, using SW model

Run on: February 20, 2004, 13:23:52 ; Search time 15.5872 Seconds
(without alignments)
1275.794 Million cell updates/sec

Title: US-09-499-662-89

Perfect score: 2515
Sequence: 1 MGNMCTILFLVATATGVHSQ.....MHKALHNYTKSLSPCK 470

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*

1: /cgn2_6/prodata/1/1aa/5A_COMB.pep:*
2: /cgn2_6/prodata/1/1aa/5B_COMB.pep:*
3: /cgn2_6/prodata/1/1aa/6A_COMB.pep:*
4: /cgn2_6/prodata/1/1aa/6B_COMB.pep:*
5: /cgn2_6/prodata/1/1aa/6C_COMB.pep:*
6: /cgn2_6/prodata/1/1aa/6D_COMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2263	90.0	472	US-09-301-593-43	Sequence 43, Appl
2	2216	88.1	449	US-08-458-516-13	Sequence 13, Appl
3	2214	88.0	476	US-08-378-939-10	Sequence 10, Appl
4	2196	87.3	472	US-09-301-593-30	Sequence 30, Appl
5	2195.5	87.3	467	US-09-049-672A-8	Sequence 8, Appl
6	2189.5	87.1	452	US-09-027-449-71	Sequence 71, Appl
7	2189.5	87.1	452	US-09-026-965-71	Sequence 71, Appl
8	2189.5	87.1	452	US-09-121-952A-71	Sequence 71, Appl
9	2189.5	87.1	452	US-09-234-340A-71	Sequence 71, Appl
10	2166	86.1	468	US-09-485-737B-90	Sequence 90, Appl
11	2166	86.1	711	US-09-485-737B-90	Sequence 18, Appl
12	2156.5	85.7	453	US-09-301-593-18	Sequence 22, Appl
13	2155.5	85.7	454	US-07-934-373C-22	Sequence 22, Appl
14	2155.5	85.7	454	US-08-437-642B-22	Sequence 22, Appl
15	2155.5	85.7	454	US-08-146-206C-22	Sequence 22, Appl
16	2155.5	85.7	454	PCT-US93-07832-22	Sequence 22, Appl
17	2133	84.8	472	US-08-793-450-8	Sequence 8, Appl
18	2133	84.0	451	US-08-887-352B-14	Sequence 14, Appl
19	2113	84.0	451	US-08-887-352B-16	Sequence 16, Appl
20	2113	84.0	451	US-08-466-151-65	Sequence 65, Appl
21	2113	84.0	451	US-09-109-207C-14	Sequence 14, Appl
22	2113	84.0	451	US-09-109-207C-16	Sequence 16, Appl
23	2113	84.0	451	US-09-296-005-14	Sequence 14, Appl
24	2113	84.0	451	US-09-296-005-16	Sequence 16, Appl
25	2110	83.9	478	US-08-487-550-8	Sequence 8, Appl
26	2110	83.9	478	US-09-526-098-8	Sequence 8, Appl
27	2105	83.7	451	US-08-867-352B-18	Sequence 18, Appl

28	2105	83.7	451	US-09-109-207C-18	Sequence 18, Appl
29	2105	83.7	451	US-09-282-505-2	Sequence 2, Appl
30	2105	83.7	451	US-09-054-255-2	Sequence 2, Appl
31	2105	83.7	451	US-09-296-005-18	Sequence 18, Appl
32	2105	83.7	451	US-09-282-846-2	Sequence 2, Appl
33	2105	83.7	451	US-09-680-145-2	Sequence 2, Appl
34	2094	83.3	453	US-08-466-151-8	Sequence 8, Appl
35	2094	83.3	453	US-08-466-163B-8	Sequence 8, Appl
36	2091.5	83.2	449	US-09-679-397-2	Sequence 2, Appl
37	2091.5	83.2	449	US-09-680-148-2	Sequence 2, Appl
38	2091.5	83.2	449	US-09-304-465A-2	Sequence 3, Appl
39	2089	83.1	451	US-09-247-352-3	Sequence 3, Appl
40	2087.5	83.0	457	US-07-916-098A-45	Sequence 45, Appl
41	2087.5	83.0	552	PCT-US93-07832-23	Sequence 23, Appl
42	2083.5	82.8	465	US-07-934-373C-23	Sequence 23, Appl
43	2080.5	82.7	469	US-08-437-642B-23	Sequence 23, Appl
44	2080.5	82.7	469	US-08-146-206C-23	Sequence 23, Appl
45	2080.5	82.7	469		

ALIGNMENTS

```
RESULT 1
US-09-301-593-43
Sequence 43, Application US/09301593A
Patent No. 6455677
GENERAL INFORMATION:
APPLICANT: Park, John B.
APPLICANT: Garin-Chesa, Pilar
APPLICANT: Bamberger, Uwe
APPLICANT: Leiger, Olivier
APPLICANT: Saldanha, Jose W.
APPLICANT: Rettig, Wolfgang J.
TITLE OR INVENTION: PAP-specific Antibody with Improved Productibility
FILE REFERENCE: 0652.1890001
CURRENT APPLICATION NUMBER: US/09/301,593A
CURRENT FILING DATE: 1998-04-29
EARLIER APPLICATION NUMBER: EP 98107925.4
EARLIER FILING DATE: 1998-04-30
EARLIER APPLICATION NUMBER: US 60/086,049
EARLIER FILING DATE: 1998-05-18
NUMBER OF SEQ ID NOS: 108
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 43
LENGTH: 472
TYPE: PRT
ORGANISM: Homo sapiens
US-09-301-593-43
Query Match 90.0%; Score 2263; DB 4; Length 472;
Best Local Similarity 90.7%; Pred. No. 8.3e+168;
Matches 429; Conservative 28; Mismatches 28; Gaps 2;
1 MGNMCTILFLVATATGVHSQVLYQSGAEVKKPKASVKVCKASGTYFTSYNQWVQAP 60
1 MMTWRVFCILAVPAGHSQVQLVQSGAEVKKPKASVKVCKSIRYFTETITWVQAP 60
61 GQRLMEGIDSDSYTNNQKFKATLTDTASATYMLSSLRSEDTAVVYCAARR 120
61 GQRLMEGIDSDSYTNNQKFKATLTDTASATYMLSSLRSEDTAVVYCAARR 120
120 --DYSNNMFPDVGSGTLTVSSASTKPSVPLAPSSKTSGGPAALGCLVQYFPEPV 177
120 --DYSNNMFPDVGSGTLTVSSASTKPSVPLAPSSKTSGGPAALGCLVQYFPEPV 177
121 AYGDGSHAMDYWGQGLTVTVSS--STKGPSVPLAPSSKTSGGPAALGCLVQYFPEPV 179
121 AYGDGSHAMDYWGQGLTVTVSS--STKGPSVPLAPSSKTSGGPAALGCLVQYFPEPV 179
178 TVSNMNGALTSQVHFRPAVLQSSGLYSLSVTVSSISLGTQTYICNVNKRPNKVDKR 237
178 TVSNMNGALTSQVHFRPAVLQSSGLYSLSVTVSSISLGTQTYICNVNKRPNKVDKR 237
180 TVSNMNGALTSQVHFRPAVLQSSGLYSLSVTVSSISLGTQTYICNVNKRPNKVDKR 239
180 TVSNMNGALTSQVHFRPAVLQSSGLYSLSVTVSSISLGTQTYICNVNKRPNKVDKR 239
238 VEPKSCDKHTCPCPAPPELLAGPSYFLPPPKKQTMISRTPEVTCVVVDVSHEDPEVK 297
238 VEPKSCDKHTCPCPAPPELLAGPSYFLPPPKKQTMISRTPEVTCVVVDVSHEDPEVK 297
240 VEPKSCDKHTCPCPAPPELLAGPSYFLPPPKKQTMISRTPEVTCVVVDVSHEDPEVK 299
240 VEPKSCDKHTCPCPAPPELLAGPSYFLPPPKKQTMISRTPEVTCVVVDVSHEDPEVK 299
```

QY 298 FNNVVDVEVNAKTKREBQYNSTYRVSVLTJLHODWLNKSKYCKVSNKALPAPLEK 357
DB 300 FNNVVDVEVNAKTKREBQYNSTYRVSVLTJLHODWLNKSKYCKVSNKALPAPLEK 359
QY 358 TISKAKQOPREPOVYTTLPSPREBMTKNQVSLTCLVKGFPYSDIAVEMSNQPENNYKTT 417
DB 360 TISKAKQOPREPOVYTTLPSPREBMTKNQVSLTCLVKGFPYSDIAVEMSNQPENNYKTT 419
QY 418 PPLVDSGSPFLYKLTJVDKSRMOQGNVFCSCVMHEALHNHTYOKSLSPGK 470
DB 420 PPLVDSGSPFLYKLTJVDKSRMOQGNVFCSCVMHEALHNHTYOKSLSPGK 472

RESULT 2

US-08-458-516-13
Sequence 13, Application US/08458516
Patent No. 577085
GENERAL INFORMATION:
APPLICANT: Co, Man Sung
APPLICANT: Tso, J. Yun
TITLE OF INVENTION: Humanized Antibodies Reactive with
TITLE OF INVENTION: GPIIB/IIIA
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: William M. Smith
STREET: One Market Plaza, Steuart Tower, Suite 2000
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/458,516
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/059,159
FILING DATE: 03-MAY-1993
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 11823-37-3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2400
TELEFAX: 415-326-2422
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 449 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-458-516-13

Query Match 88.1%; Score 2216; DB 1; Length 449;
Best Local Similarity 92.5%; Pred. No. 3.4e-164;
Matches 417; Conservative 15; Mismatches 17; Indels 2; Gaps 2;

QY 20 QVQLVQSGAEYKRRGASVYKSCKASGYTFSTYMMQWVQAPGRLRWMMGIDPSDSYTNV 79
DB 1 QVQLVQSGAEYKRRGASVYKSCKASGYTFSTYMMQWVQAPGRLRWMMGIDPSDSYTNV 60
QY 80 NQKFKGATLTVDTSASTAYNELSLRSEDTAYVYCARNDYSNNWYFDVWBGTLVTVS 139
DB 61 NQKFKGATLTVDTSASTAYNELSLRSEDTAYVYCARNDYSNNWYFDVWBGTLVTVS 118
QY 140 SASTGSPVPLPADSSKSTSGGTALGLVDYDPEPYTVSWNSGALTSGVHTPVAVLOS 199

DB 119 SASTGSPVPLPADSSKSTSGGTALGLVDYDPEPYTVSWNSGALTSGVHTPVAVLOS 178
QY 200 SGLYSLSVTVBSSSLGTQTYICNVNHRKPSNTKVDKRVKPSCDKTHTCPCPAPBLG 259
DB 179 SGLYSLSVTVBSSSLGTQTYICNVNHRKPSNTKVDKRVKPSCDKTHTCPCPAPBLG 238
QY 260 GPSVFLFPPEPKDTLMSRTPEVTCVVVDVSHEDPEVKFNNWYDGVVHNAKTKPREQY 319
DB 239 GPSVFLFPPEPKDTLMSRTPEVTCVVVDVSHEDPEVKFNNWYDGVVHNAKTKPREQY 298
QY 320 NSTYRVSVLTJLHODWLNKSKYCKVSNKALPAPLEKTSKAKQPREPOVYTLPPSRE 379
DB 299 NSTYRVSVLTJLHODWLNKSKYCKVSNKALPAPLEKTSKAKQPREPOVYTLPPSRE 358
QY 380 EMTKNQVSLTCLVKGFPYSDIAVEMSNQPENNYKTTPLVDSGSPFLYKLTJVDKSR 439
DB 359 ELTKNQVSLTCLVKGFPYSDIAVEMSNQPENNYKTTPLVDSGSPFLYKLTJVDKSR 418
QY 440 WQGNVFCSCVMHEALHNHTYOKSLSPGK 470
DB 419 WQGNVFCSCVMHEALHNHTYOKSLSPGK 449

RESULT 3

US-08-378-939-10
Sequence 10, Application US/08378939
Patent No. 5876961
GENERAL INFORMATION:
APPLICANT: CROME, JAMES SCOTT
APPLICANT: LEWIS, ALAN PETER
TITLE OF INVENTION: PRODUCTION OF ANTIBODIES
NUMBER OF SEQUENCES: 46
CORRESPONDENCE ADDRESS:
ADDRESSEE: ROTHWELL, FIGG, ERNST & KURZ
STREET: 555 THIRTEENTH ST. N.W.
CITY: WASHINGTON
STATE: D. C.
COUNTRY: U.S.
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/378,939
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/952640
FILING DATE: 01-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: ERNST, BARBARA G.
REGISTRATION NUMBER: 30,377
REFERENCE/DOCKET NUMBER: 1808-118
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 783-6031
TELEFAX: (202) 783-6040
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 476 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-378-939-10

Query Match 88.0%; Score 2214; DB 2; Length 476;
Best Local Similarity 87.8%; Pred. No. 5.3e-164;
Matches 418; Conservative 22; Mismatches 30; Indels 6; Gaps 1;

QY 1 MGNSCTLFLVATATGHSQVQLVQSGAEYKRRGASVYKSCKASGYTFSTYMMQWVQAP 60
DB 1 MDWTMRPLFVVAATGVQSQVQSGAEYKRRGASVYKSCKASGYTFSTYMMQWVQAP 60

61 GORLEWMEIDPSDSTYNNOKFKGKATLTVDTASATAVMELSLRSEDPAVYCARNR- 119
61 GORLEWMEIDPSDSTYNNOKFKGKATLTVDTASATAVMELSLRSEDPAVYCARNR- 120
120 -----DYSNNWYFDVWBGITLVTVSSASATKGPSPVFLAPSSKSTSGCTAALGCLVXDYFP 174
121 RQANPBARARVGMEDPVGOGITLVTVSSASATKGPSPVFLAPSSKSTSGCTAALGCLVXDYFP 180
175 EPTVTVSNNGALTSVHTFPAYLQSSGLVSLSSVTVVSSIGCTYICNVNHRKSNKTV 234
181 EPTVTVSNNGALTSVHTFPAYLQSSGLVSLSSVTVVSSIGCTYICNVNHRKSNKTV 240
235 DKRVEPKSCDKTHTCPCPAPPELLGSPVFLPPPKPDITLMSRPEVTCVVVDVSHEDP 294
241 DKRVEPKSCDKTHTCPCPAPPELLGSPVFLPPPKPDITLMSRPEVTCVVVDVSHEDP 300
295 EYKFWYVDGYEVNNAKTKPREBOYNSTYRVSVYLVTLHODMNGEKYCKVSNKALPAP 354
301 EYKFWYVDGYEVNNAKTKPREBOYNSTYRVSVYLVTLHODMNGEKYCKVSNKALPAP 360
355 IETISKAGOREPOVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEMESNGOPENNY 414
361 IETISKAGOREPOVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEMESNGOPENNY 420
415 KTTPTLSDSGSPFLYSKLTVDKSRMOQGNYFSCSVNHEALAHNYTKSLSLSPGK 470
421 KTTPTLSDSGSPFLYSKLTVDKSRMOQGNYFSCSVNHEALAHNYTKSLSLSPGK 476

RESULT 4
US-09-301-593-30
Sequence 30, Application US/09301593A

GENERAL INFORMATION:
PATENT NO. 6455677
APPLICANT: Patk, John E.
APPLICANT: Garin-Chebe, Pilar
APPLICANT: Bamberger, Uwe
APPLICANT: Leger, Olivier
APPLICANT: Saldanha, Jose W.
APPLICANT: Rettig, Wolfgang J.
TITLE OF INVENTION: PAP-specific Antibody with Improved Productibility
FILE REFERENCE: 0652.1890001
CURRENT FILING DATE: US/09/301.593A
EARLIER FILING DATE: 1999-04-29
EARLIER FILING DATE: 1998-04-30
EARLIER FILING DATE: 1998-05-18
NUMBER OF SEQ ID NOS: 108
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 30
LENGTH: 472
TYPE: PRT
ORGANISM: Homo sapiens
US-09-301-593-30

Query Match 87.3%; Score 2196; DB 4; Length 472;
Best Local Similarity 87.7%; Pred. No. 1.3e-162; Indels 4; Gaps 2;
Matches 415; Conservative 20; Mismatches 34;

1 MGSWVFLFLSGTAVGVSVQLOQSGPELVKPAASVMSCKSTRFTFTTHWROSH 60
1 MGSWVFLFLSGTAVGVSVQLOQSGPELVKPAASVMSCKSTRFTFTTHWROSH 60
61 GORLEWMEIDPSDSTYNNOKFKGKATLTVDTASATAVMELSLRSEDPAVYCARNR- 119
61 GORLEWMEIDPSDSTYNNOKFKGKATLTVDTASATAVMELSLRSEDPAVYCARNR- 120
61 GORLEWMEIDPSDSTYNNOKFKGKATLTVDTASATAVMELSLRSEDPAVYCARNR- 120
120 -----DYSNNWYFDVWBGITLVTVSSASATKGPSPVFLAPSSKSTSGCTAALGCLVXDYFP 174
121 AYGDGHAMDYVGGITVTVSS-6TKGPSVFLAPSSKSTSGCTAALGCLVXDYFP 179

178 TVSNNGALTSVHTFPAYLQSSGLVSLSSVTVVSSIGCTYICNVNHRKSNKTVDKR 237
180 TVSNNGALTSVHTFPAYLQSSGLVSLSSVTVVSSIGCTYICNVNHRKSNKTVDKR 239
238 VEPSCDKTHTCPCPAPPELLGSPVFLPPPKPDITLMSRPEVTCVVVDVSHEDP 297
240 VEPSCDKTHTCPCPAPPELLGSPVFLPPPKPDITLMSRPEVTCVVVDVSHEDP 299
298 EYKFWYVDGYEVNNAKTKPREBOYNSTYRVSVYLVTLHODMNGEKYCKVSNKALPAP 357
300 EYKFWYVDGYEVNNAKTKPREBOYNSTYRVSVYLVTLHODMNGEKYCKVSNKALPAP 359
358 TISKAGOREPOVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEMESNGOPENNY 417
360 TISKAGOREPOVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEMESNGOPENNY 419
418 PPTLSDSGSPFLYSKLTVDKSRMOQGNYFSCSVNHEALAHNYTKSLSLSPGK 470
420 PPTLSDSGSPFLYSKLTVDKSRMOQGNYFSCSVNHEALAHNYTKSLSLSPGK 472

RESULT 5
US-09-049-672A-8
Sequence 8, Application US/09049672A

GENERAL INFORMATION:
PATENT NO. 6135941
APPLICANT: Hillman, Jennifer L.
APPLICANT: Lal, Preeti
APPLICANT: Tang, Y. Tom
APPLICANT: Yue, Henry
APPLICANT: Au-Yang, Janice
APPLICANT: Corley, Neil C.
APPLICANT: Guejter, Karl J.
APPLICANT: Baughn, Mariah R.
TITLE OF INVENTION: HUMAN IMMUNE SYSTEM ASSOCIATED PROTEINS
NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESSER: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: PASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
FILING DATE: HEREWITH
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER:

ATTORNEY/AGENT INFORMATION:
NAME: Cerrone, Michael C
REGISTRATION NUMBER: 39,132
REFERENCE/DOCKET NUMBER: PF-0497 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-855-0555
TELEFAX: 650-845-4166
TELEX:

INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 467 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: LUNGUT11
CLONE: 2747531
US-09-049-672A-8

Query Match 87.3%; Score 2195.5; DB 3; Length 467;
 Best Local Similarity 89.0%; Pred. No. 1.4e-162;
 Matches 413; Conservative 20; Mismatches 28; Indels 3; Gaps 1;

QY 7 ILPLVATATGVHGVOLVQSGAEYKPKGASVYKSCASGTYFTSYMMQWKAAPGQLEW 66
 DB 7 ILPLVAAATGTTHQVQVQSGAEYKPKGASVYKSCASGTYFTSYMMQWKAAPGQLEW 66
 QY 67 MGEIDPDSYTNVYQKKGKATLTVDTSASTAYMELSLRSEDTAVYYCAR-NRDYSNNMY 126
 DB 67 MGEIAPNGEAVYAKKLGRLTILSEDTADTAAYFLNNLSSEDAIYYCARH---YDF 123
 QY 127 FDVWGEGLTVYSSASTKSPSVFPLAPSSKSTSGTAAAGCLVQYFPEPVYVWNSGAL 186
 DB 124 FDFMGQGTMTVTSASASTKSPSVFPLAPSSKSTSGTAAAGCLVQYFPEPVYVWNSGAL 183
 QY 187 TSGVHTFPAYLQSSGLYSLSVTVVPSSTLGTQYIICNVNHPKPNNTVDKRVKSCDKT 246
 DB 184 TSGVHTFPAYLQSSGLYSLSVTVVPSSTLGTQYIICNVNHPKPNNTVDKRVKSCDKT 243
 QY 247 HTCPCPAPELLGGPSVFLPFPKPDITLMTSRPEVTCVVDVSHEDPEVKFNMYVDGVE 306
 DB 244 HTCPCPAPELLGGPSVFLPFPKPDITLMTSRPEVTCVVDVSHEDPEVKFNMYVDGVE 303
 QY 307 VNAKTPREQVNSTYRVVSVTLVHLQDMLNGKRYCKVSNKALPAPIEKTISKAGOP 366
 DB 304 VNAKTPREQVNSTYRVVSVTLVHLQDMLNGKRYCKVSNKALPAPIEKTISKAGOP 363
 QY 367 REQVYTLPPSRREMTKQVSLTCLVKGFPSPDIAVWESNGQENNYKTPPVLDSG 426
 DB 364 REQVYTLPPSRREMTKQVSLTCLVKGFPSPDIAVWESNGQENNYKTPPVLDSG 423
 QY 427 FPLYSKLTVDKSRMVGQNVFSCVMEHALNHYTKSLSPGK 470
 DB 424 FPLYSKLTVDKSRMVGQNVFSCVMEHALNHYTKSLSPGK 467

RESULT 6

US-09-027-449-71
 ; Sequence 71, Application US/09027449
 ; Patent No. 6025158
 ; GENERAL INFORMATION:
 ; APPLICANT: Gonzalez, Tania R.
 ; APPLICANT: Leong, Steven R.
 ; APPLICANT: Presta, Leonard G.
 ; TITLE OF INVENTION: Antibody Fragment-Polymer Conjugates and
 ; TITLE OF INVENTION: Humanized Anti-IL-8 Monoclonal Antibodies
 ; NUMBER OF SEQUENCES: 72
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genentech, Inc.
 ; STREET: 1 DNA Way
 ; CITY: South San Francisco
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94080
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Winpatin (Genentech)
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/027,449
 ; FILING DATE: 20-Feb-1998
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 60/074,330
 ; FILING DATE: 22-Jan-1998
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 60/038,664
 ; FILING DATE: 21-Feb-1997
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Love, Richard B.

REGISTRATION NUMBER: 34,659
 REFERENCE/DOCKET NUMBER: P1085R3-2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650/225-5530
 TELEFAX: 650/952-9881
 INFORMATION FOR SEQ ID NO: 71:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 452 amino acids
 TYPE: Amino Acid
 TOPOLOGY: Linear
 US-09-027-449-71

Query Match 87.1%; Score 2189.5; DB 3; Length 452;
 Best Local Similarity 89.6%; Pred. No. 4e-162;
 Matches 405; Conservative 28; Mismatches 18; Indels 1; Gaps 1;

QY 20 QVQVQSGAEYKPKGASVYKSCASGTYFTSYMMQWKAAPGQLEWGEIDPDSYTN 79
 DB 1 EVQVQSGGGLVQPGGSLRLSCAASGYFSSTHMHVKAAPGQLEWGYIIDSNGETTY 60
 QY 80 NQFKGKATLTVDTSASTAYMELSLRSEDTAVYYCAR-NRDYSNNMYFDVWGEGLTV 138
 DB 61 NQFKGRFTLSRNSKNTATLQWNSLRADTAAYTCARGDYRNGDWFPVWGGTLVTY 120
 QY 139 SASTKSPSVFPLAPSSKSTSGTAAAGCLVQYFPEPVYVWNSGALTSQVHTFPAYLQ 198
 DB 121 SASTKSPSVFPLAPSSKSTSGTAAAGCLVQYFPEPVYVWNSGALTSQVHTFPAYLQ 180
 QY 199 SSGLYSLSSVTVVPSSTLGTQYIICNVNHPKPNNTVDKRVKSCDKTHTCPCPABELL 258
 DB 181 SSGLYSLSSVTVVPSSTLGTQYIICNVNHPKPNNTVDKRVKSCDKTHTCPCPABELL 240
 QY 259 GGPVFLPFPKPDITLMTSRPEVTCVVDVSHEDPEVKFNMYVDGVEVNAKTPREBQ 318
 DB 241 GGPVFLPFPKPDITLMTSRPEVTCVVDVSHEDPEVKFNMYVDGVEVNAKTPREBQ 300
 QY 319 YNSTYRVVSVTLVHLQDMLNGKRYCKVSNKALPAPIEKTISKAGOPRQVYTLPPSR 378
 DB 301 YNSTYRVVSVTLVHLQDMLNGKRYCKVSNKALPAPIEKTISKAGOPRQVYTLPPSR 360
 QY 379 EEMTKQVSLTCLVKGFPSPDIAVWESNGQENNYKTPPVLDSGFFLYSKLTVDKS 438
 DB 361 EEMTKQVSLTCLVKGFPSPDIAVWESNGQENNYKTPPVLDSGFFLYSKLTVDKS 420
 QY 439 RMOQGVFSCVMEHALNHYTKSLSPGK 470
 DB 421 RMOQGVFSCVMEHALNHYTKSLSPGK 452

RESULT 7

US-09-026-985-71
 ; Sequence 71, Application US/09026985
 ; Patent No. 6113426
 ; GENERAL INFORMATION:
 ; APPLICANT: Gonzalez, Tania R.
 ; APPLICANT: Leong, Steven R.
 ; APPLICANT: Presta, Leonard G.
 ; TITLE OF INVENTION: Antibody Fragment-Polymer Conjugates and
 ; TITLE OF INVENTION: Humanized Anti-IL-8 Monoclonal Antibodies
 ; NUMBER OF SEQUENCES: 72
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genentech, Inc.
 ; STREET: 1 DNA Way
 ; CITY: South San Francisco
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94080
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Winpatin (Genentech)
 ; CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/026,985
FILING DATE: 20-Feb-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P1085R3-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 452 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-09-026-985-71

Query Match	87.1%;	Score 2189.5;	DB 3;	Length 455;
Best Local Similarity	89.6%;	Pred. No. 46-162;		
Matches	Conservative	28;	Matches 18;	Indels 1; Gaps 1
QY	20 QVQVYVOSAEVKKPPGASVYKSCASGYRTYIWNQWVVKCAPGQRLEMMGEIDPDSYNTY	79		
Db	1 EVQVLVOSGGGLVQPGGSLRLSCASAGSYRSTSTTHMVRQAPGKGLIEWGVYIDPSNGELTY	60		
QY	80 NQKFKGKALLIVDTASASTAYMEILSLRSEDTAVYTCAR_NRDYSNNVYVDVWGEGLVTV	138		
Db	61 NQKFKGRFTLSNDGSKNTAYVLQWNSLRADDTAVYCARGDYRINQGFDPVWGQGLVTV	120		
QY	139 SSASTYGPBVPFLPAPBSKSTSGGTALGCLVNDYFPEPPTVSNNSGALISGVHTFPAVLQ	198		
Db	121 SSASTYGPVFPFLAPBSKSTSGGTALGCLVNDYFPEPPTVSNNSGALISGVHTFPAVLQ	180		
QY	199 SSGVLSSVWVWPSSSLGTQTYICNVNHPKSTTKDKVKEPKSCDKHTCPCPAPELL	258		
Db	181 SSGVLSSVWVWPSSSLGTQTYICNVNHPKSTTKDKVKEPKSCDKHTCPCPAPELL	240		
QY	259 GGSVSLFPKPKDQTLMIISRTPEVTGVVDVSHEDPEVKFNVTYDGVYHNATKPREQ	318		
Db	241 GGSVSLFPKPKDQTLMIISRTPEVTGVVDVSHEDPEVKFNWVDGVEVHNATKPREQ	300		
QY	319 YNSTYRVSVLYTLHODMLNGSKYKCKVSKKALPAPIEKTISAKAGQPREPOYYTLPPSR	378		
Db	301 YNSTYRVSVLYTLHODMLNGSKYKCKVSKKALPAPIEKTISAKAGQPREPOYYTLPPSR	360		
QY	379 KEWTKVQVSLTCLVYKGYPSDIAVEMESNQGPENNYKTPTPVLDSDGSFPLYSLTLVDS	438		
Db	361 KEWTKVQVSLTCLVYKGYPSDIAVEMESNQGPENNYKTPTPVLDSDGSFPLYSLTLVDS	420		
QY	439 RMOQGNVFCSVNHEALHNHYTKSLSLSPK	470		
Db	421 RMOQGNVFCSVNHEALHNHYTKSLSLSPK	452		

RESULT 8
 US-09-121-952A-71
 ; Sequence 71, Application US/09121952A
 ; Patent No. 6458355
 GENERAL INFORMATION:
 APPLICANT: Genentech, Inc., Hseel, Vanessa
 APPLICANT: Kouments, Iphigenia
 APPLICANT: Leong, Steven R.
 APPLICANT: Presta, Leonard G.
 APPLICANT: Shahrokh, Zahra
 APPLICANT: Zapata, Gerardo A.
 TITLE OF INVENTION: METHODS OF TREATING INFLAMMATORY DISEASES
 TITLE OF INVENTION: WITH ANTI-IL-8 ANTIBODY FRAGMENT-POLYMER CONJUGATES
 NUMBER OF SEQUENCES: 72
 CORRESPONDENCE ADDRESS:
 ADDRESSES: Genentech, Inc.
 STREET: 1 DNA Way
 CITY: South San Francisco
 STATE: California

COUNTRY: USA
 ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Winpatin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/121,952A
 FILING DATE: 24-JUL-1998
 CLASSIFICATION: 514
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 60/074330
 FILING DATE: 22-JAN-1998
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 60/075467
 FILING DATE: 20-FEB-1998
 ATTORNEY/AGENT INFORMATION:
 NAME: Love, Richard B.
 REGISTRATION NUMBER: 34,659
 REFERENCE/DOCKET NUMBER: P1085R4
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650/225-5530
 TELEFAX: 650/952-9881
 INFORMATION FOR SEQ ID NO: 71:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 452 amino acids
 TYPE: Amino Acid
 TOPOLOGY: Linear

Query Match	87.1%	Score 2189.5	DB 4	Length 452
Best Local Similarity	89.6%	Pred. No. 4e-162		
Matches	Conservative	28	Mismatches 18	Indels 1
Qy	20	QYQLVQSGAEVKKPKPAASVTKVSCKSGYFTYSMMQMVQAPGORLEMMGEIDPSDYTNV	79	
Db	1	EVQLVQSGGGLVQPGSGLRLSCAAAGYSSTSHYMMVROAPQKGLGVGYIDPSNGETLY	60	
Qy	80	NKPFKGAATLVDTASLTATYMETLSLRSHEDLVVYTCAR-NRDYSNNVFDVWGEGTLVTV	138	
Db	61	NKPFKGRFTLSLDNSKNTATYLDQMSLRADITAVYTCARDYDNGDMFEDVWGQGLTVLV	120	
Qy	139	SSASTKGPVPFPLAPBSKSTSGTALGCLVDPFPEPTVSWNSGALTSVHTTPAVYQ	198	
Db	121	SSASTKGPVPFPLAPBSKSTSGTALGCLVDPFPEPTVSWNSGALTSVHTTFAVYQ	180	
Qy	199	SSGLYSLSSVTVTPSSSLGTQTYICVMNHNKPSNTKDXRVEBSCKHTCCPCPAPELL	258	
Db	181	SSGLYSLSSVTVTPSSSLGTQTYICVMNHNKPSNTKDXRVEPSCKHTCCPCPAPELL	240	
Qy	259	GGSVVLFPKPKPDLTMIKRTPEVTCVAVDVSHEDSEVFENMYVDVGEVHNATKPREEQ	318	
Db	241	GGSVVLFPKPKPDLTMIKRTPEVTCVAVDVSHEDSEVFENMYVDVGEVHNATKPREEQ	300	
Qy	319	YNSTYVSVLYLVADHWINGEKYKCKVSKNALPAPIEKTISAKAQPPRPQYTYLPSPR	378	
Db	301	YNSTYVSVLYLVADHWINGEKYKCKVSKNALPAPIEKTISAKAQPPRPQYTYLPSPR	360	
Qy	379	EEMTKQVSLTCLVKGPIYPSDIAVWESNQPPENNYKTPPVLDSDSPFLYSEKLTVDKS	438	
Db	361	EEMTKQVSLTCLVKGPIYPSDIAVWESNQPPENNYKTIIPVLDSDSPFLYSEKLTVDKS	420	
Qy	439	RMOQGNVFCSCVMHEALHNHYTKSLSLSPGK	470	
Db	421	RMOQGNVFCSCVMHEALHNHYTKSLSLSPGK	452	

RESULT 9
US-09-234-340A-71
; Sequence 71, Application US/09234340A
; Patent No. 6468532
; GENERAL INFORMATION:

APPLICANT: Genentech, Inc., Hse1, Vanessa
APPLICANT: Koumenis, Iphigenia
APPLICANT: Leong, Steven R.
APPLICANT: Presta, Leonard G.
APPLICANT: Shahrokh, Zahra
APPLICANT: Zapata, Gerardo A.
TITLE OF INVENTION: METHODS OF TREATING INFLAMMATORY DISEASES
TITLE OF INVENTION: WITH ANTI-IL-8 ANTIBODY FRAGMENT-POLYMER CONJUGATES
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/234,340A
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/121,952
FILING DATE: 24-Jul-1998
APPLICATION NUMBER: 60/074330
FILING DATE: 22-Jan-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/075467
FILING DATE: 20-FEB-1998
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P1085R4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 452 amino acids
TYPE: Amino Acid
TOPOLOGY: linear
US-09-234-340A-71

Query Match 87.1%; Score 2189.5; DB 4; Length 452;
Best Local Similarity 89.6%; Pred. No. 4e-162;
Matches 405; Conservative 28; Mismatches 18; Indels 1; Gaps 1;

QY 20 QVQLVDSGAEVKKRQASVKISCKASGYTFTSYMMQWVKQAPGRLLEMMGEIDPSDYTNY 79
DB 1 EVQLVDSGGGLVGGSGSLRSCAASGYSFSSHYMMVKQAPGKLEWVGIIIDPSNGETTY 60
QY 80 NQKFKGKATLVDTASTAYMELSLRSBDTAVYYCAR-NRDYNNMYFDVWGEGTLVTV 138
DB 61 NQKFKGKATLVDTASTAYMELSLRSBDTAVYYCAR-NRDYNNMYFDVWGEGTLVTV 120
QY 139 SASASTKPSVFPPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQ 198
DB 121 SSASTKPSVFPPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQ 180
QY 199 SSGLYSLSSVTVVSSSLGTQYIYCNVNHKPSNTKVDKRVKPSCDTHHCPCPAPPELL 258
DB 181 SSGLYSLSSVTVVSSSLGTQYIYCNVNHKPSNTKVDKRVKPSCDTHHCPCPAPPELL 240
QY 259 GGSVFLFPKPKDTLMIISRTPEYTCVVDVSHEDPEVKFNMWYDGEVNHAKTKPREEQ 318
DB 241 GGSVFLFPKPKDTLMIISRTPEYTCVVDVSHEDPEVKFNMWYDGEVNHAKTKPREEQ 300
QY 319 YNSTYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSR 378

DB 301 YNSTYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSR 360
QY 379 EEMTKQVSLTCLVKGFPSPDIWEMESNGQPENNYKTPPVLDSGDFLYSLTYDKS 438
DB 361 EEMTKQVSLTCLVKGFPSPDIWEMESNGQPENNYKTPPVLDSGDFLYSLTYDKS 420
QY 439 RMOQGNVSCSVNHEALHNHYTQKSLSLSPGK 470
DB 421 RMOQGNVSCSVNHEALHNHYTQKSLSLSPGK 452

RESULT 10

US-09-485-737B-67
Sequence 67, Application US/09485737B
Patent No. 6350860
GENERAL INFORMATION:
APPLICANT: Buyse, Marie-Ange
TITLE OF INVENTION: INTERFERON-gamma-BINDING MOLECULES FOR TREATING SEPTIC SHOCK,
FILE REFERENCE: INNS:015
CURRENT APPLICATION NUMBER: US/09/485,737B
CURRENT FILING DATE: 2000-02-14
PRIOR APPLICATION NUMBER: PCT/EP 98/05165
PRIOR FILING DATE: 1998-08-14
PRIOR APPLICATION NUMBER: EPO 98870139.7
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: EPO 97870122.5
PRIOR FILING DATE: 1997-08-18
NUMBER OF SEQ ID NOS: 104
SOFTWARE: PatentIn version 3.0
SEQ ID NO 67
LENGTH: 468
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURES:
OTHER INFORMATION: SYNTHETIC
US-09-485-737B-67

Query Match 86.1%; Score 2166; DB 4; Length 468;
Best Local Similarity 87.7%; Pred. No. 2.8e-160;
Matches 408; Conservative 21; Mismatches 32; Indels 4; Gaps 1;

QY 6 IILFLVATATGVSQVQLVDSGAEVKKRQASVSVCKASGYTFTSYMMQWVKQAPGRL 65
DB 7 IIFSLIASAVILISQVQLVDSGSELKPKASVYKISCKASGYTFTDYGMNVVKQAPGGGLK 66
QY 66 VMGEIDPSDYTYNNQKFKGKATLVDTASTAYMELSLRSBDTAVYYCARRDYNNM 125
DB 67 VMGMINTYTGESTYVDDEKGRFVFSLDTSVAAYLQISSLKADDTATYFCARRGFYA-- 123
QY 126 YFDVWGEGTLVTVSSASTKPSVFPPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGA 185
DB 124 -MDYWGEGTLVTVSSASTKPSVFPPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGA 182
QY 186 LTSGVHTFPAVLQSSGLYSLSVTVVSSSLGTQYIYCNVNHKPSNTKVDKRVKPSCDK 245
DB 183 LTSGVHTFPAVLQSSGLYSLSVTVVSSSLGTQYIYCNVNHKPSNTKVDKRVKPSCDK 242
QY 246 THTCPCPAPPELLGGSVFLFPKPKDTLMIISRTPEYTCVVDVSHEDPEVKFNMWYDGV 305
DB 243 THTCPCPAPPELLGGSVFLFPKPKDTLMIISRTPEYTCVVDVSHEDPEVKFNMWYDGV 302
QY 306 EVNHAKTKPREEQYNSTYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTISKAKGQ 365
DB 303 EVNHAKTKPREEQYNSTYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTISKAKGQ 362
QY 366 PREPQVYTLPPSR EEMTKQVSLTCLVKGFPSPDIWEMESNGQPENNYKTPPVLDSG 425
DB 363 PREPQVYTLPPSR EEMTKQVSLTCLVKGFPSPDIWEMESNGQPENNYKTPPVLDSG 422
QY 426 SFLYSLTYDKSRMOQGNVSCSVNHEALHNHYTQKSLSLSPGK 470

Db 423 SFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYTQKSLSPGK 467

RESULT 11
US-09-485-737B-90
; Sequence 90, Application US/09485737B
; Patent No. 6350860
; GENERAL INFORMATION:
; APPLICANT: Buyee, Marie-Ange
; APPLICANT: Sadlon, Edwin
; TITLE OF INVENTION: INTERFERON-gamma-BINDING MOLECULES FOR TREATING SEPTIC SHOCK,
; TITLE OF INVENTION: CACHEXIA, IMMUNE DISORDERS AND SKIN DISORDERS
; FILE REFERENCE: INNS:015
; CURRENT APPLICATION NUMBER: US/09/485, 737B
; PRIOR APPLICATION NUMBER: PCT/EP 98/05165
; PRIOR FILING DATE: 1998-08-14
; PRIOR APPLICATION NUMBER: EPO 98870139.7
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: EPO 97870122.5
; PRIOR FILING DATE: 1997-08-18
; NUMBER OF SEQ ID NOS: 104
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 90
; LENGTH: 711
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: SYNTHETIC
US-09-485-737B-90

Query Match 86.1%; Score 2166; DB 4; Length 711;
Best Local Similarity 87.7%; Pred. No. 4,9e-160;
Matches 406; Conservative 21; Mismatches 32; Indels 4; Gaps 1;

Qy 6 IILFLVATATGVSQVQLVDSGAEVKKRQASGYSYSSYMMQWYQAPGQRL 65
Db 7 IIFSLILASAVILSQVQLVDSGSELKRRGASVYKISCRASGYTFIDYGMNWYQAPGQRL 66
Qy 66 WNGEIDSDSYTNNQKFKGATITVDTSASTAMELSLSSEPTAVYYCARNDYSNNW 125
Db 67 WMGWINVTYTGESTYVDFFKGRFVPSLDTSVSAALQISLSLAEDTATYFCARRGFTYA-- 123
Qy 126 YFDWVGSLTVTSSASTKPSVPLAPSSKTSSTGTRALGCLVQDYFPEPTVSNMNSGA 185
Db 124 -MDWVGSGITVVSASTKPSVPLAPSSKTSSTGTRALGCLVQDYFPEPTVSNMNSGA 182
Qy 186 LITSGVATFPVALQSSGLYSLSSTVTPSSSLGTQTYICNVNHPKSNTKVDKRVKPKGCDK 245
Db 183 LITSGVATFPVALQSSGLYSLSSTVTPSSSLGTQTYICNVNHPKSNTKVDKRVKPKGCDK 242
Qy 246 THTCPPCPAPRLGGPSVPLFPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFMWYDGV 305
Db 243 THTCPPCPAPRLGGPSVPLFPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFMWYDGV 302
Qy 306 EVNNAKTKPREEOYNTSTRVYSVLTVLHODWLNKGEYKCKSNKALPAIEKTISSAKAQ 365
Db 303 EVNNAKTKPREEOYNTSTRVYSVLTVLHODWLNKGEYKCKSNKALPAIEKTISSAKAQ 362
Qy 366 PREPOVYTLPPSRREMTKNQVSLTCLVKGFPYPSDIAVWESNGQPENNYKTTTPVLDSDG 425
Db 363 PREPOVYTLPPSRREMTKNQVSLTCLVKGFPYPSDIAVWESNGQPENNYKTTTPVLDSDG 422
Qy 426 SFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYTQKSLSPGK 470
Db 423 SFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYTQKSLSPGK 467

RESULT 12
US-09-301-593-18
; Sequence 18, Application US/09301593A
; Patent No. 6455677
; GENERAL INFORMATION:

APPLICANT: Park, John E.
APPLICANT: Garin-Chesa, Pilar
APPLICANT: Bamberger, Uwe
APPLICANT: Leger, Olivier
APPLICANT: Saldanha, Jose W.
APPLICANT: Rettig, Wolfgang J.
TITLE OF INVENTION: PAP-specific Antibody with Improved Productibility
FILE REFERENCE: 0652.1890001
CURRENT APPLICATION NUMBER: US/09/301,593A
CURRENT FILING DATE: 1999-04-29
EARLIER APPLICATION NUMBER: EP 98107925.4
EARLIER FILING DATE: 1998-04-30
EARLIER APPLICATION NUMBER: US 60/086,049
EARLIER FILING DATE: 1998-05-18
NUMBER OF SEQ ID NOS: 108
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 18
LENGTH: 453
TYPE: PRT
ORGANISM: Homo sapiens
US-09-301-593-18

Query Match 85.7%; Score 2156.5; DB 4; Length 453;
Best Local Similarity 89.6%; Pred. No. 1.5e-159;
Matches 406; Conservative 16; Mismatches 28; Indels 3; Gaps 1;

Qy 21 VOLVSGAEVKKRQASGYSYSSYMMQWYQAPGQRLMMGEIDPSDSTNNYN 80
Db 1 VOLVSGAEVKKRQASGYSYSSYMMQWYQAPGQRLMMGEIDPSDSTNNYN 80
Qy 81 QKFKGATITLVDTASATAMELSLSSEPTAVYYCARNDYSNNWYQAPGQRL 137
Db 61 QKFKGATITLVDTASATAMELSLSSEPTAVYYCARNDYSNNWYQAPGQRL 120
Qy 138 VSSASTGSPVPLAPSSKTSSTGTRALGCLVQDYFPEPTVSNMNSGALTSVHTFPVAL 197
Db 121 VSSASTGSPVPLAPSSKTSSTGTRALGCLVQDYFPEPTVSNMNSGALTSVHTFPVAL 180
Qy 198 QSSGLYSLSSTVTPSSSLGTQTYICNVNHPKSNTKVDKRVKPKGCDKTHTCPPAPREL 257
Db 181 QSSGLYSLSSTVTPSSSLGTQTYICNVNHPKSNTKVDKRVKPKGCDKTHTCPPAPREL 240
Qy 258 LGGSPVPLFPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFMWYDGVVNAKTKPRE 317
Db 241 LGGSPVPLFPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFMWYDGVVNAKTKPRE 300
Qy 318 QYNSTYRVSVLTVLHODWLNKGEYKCKSNKALPAIEKTISSAKAQPEPQVYTLPPS 377
Db 301 QYNSTYRVSVLTVLHODWLNKGEYKCKSNKALPAIEKTISSAKAQPEPQVYTLPPS 360
Qy 378 REEMTKNQVSLTCLVKGFPYPSDIAVWESNGQPENNYKTTTPVLDSDGSPFLYKSLTVDK 437
Db 361 REEMTKNQVSLTCLVKGFPYPSDIAVWESNGQPENNYKTTTPVLDSDGSPFLYKSLTVDK 420
Qy 438 SRWQGNVFCSCVMHEALHNHYTQKSLSPGK 470
Db 421 SRWQGNVFCSCVMHEALHNHYTQKSLSPGK 453

RESULT 13
US-07-934-373C-22
; Sequence 22, Application US/07934373C
; Patent No. 5821337
; GENERAL INFORMATION:
; APPLICANT: Paul J. Carter
; APPLICANT: Leonard G. Presta
; TITLE OF INVENTION: Immunoglobulin Variants
; NUMBER OF SEQUENCES: 48
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California

1 COUNTRY: USA
 2 ZIP: 94080
 3
 4 COMPUTER READABLE FORM:
 5 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 6 COMPUTER: IBM PC compatible
 7 OPERATING SYSTEM: PC-DOS/MS-DOS
 8 SOFTWARE: WinPatIn (Genentech)
 9
 10 CURRENT APPLICATION DATA:
 11 APPLICATION NUMBER: US/07/934,373C
 12 FILING DATE: 21-Aug-1992
 13 CLASSIFICATION: 530
 14 PRIOR APPLICATION DATA:
 15 APPLICATION NUMBER: PCT/US92/05126
 16 FILING DATE: 15-JUN-1992
 17
 18 PRIOR APPLICATION DATA:
 19 APPLICATION NUMBER: 07/715272
 20 FILING DATE: 14-JUN-1991
 21
 22 ATTORNEY/AGENT INFORMATION:
 23 NAME: Lee, Wendy M.
 24 REGISTRATION NUMBER: 40,378
 25 REFERENCE/DOCKET NUMBER: P0709P2
 26 TELECOMMUNICATION INFORMATION:
 27 TELEPHONE: 650/225-1994
 28 TELEFAX: 650/952-9881
 29
 30 INFORMATION FOR SEQ ID NO: 22:
 31 SEQUENCE CHARACTERISTICS:
 32 LENGTH: 454 amino acids
 33 TYPE: Amino Acid
 34 TOPOLOGY: Linear
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 36 US-07-934-373C-22

Query Match	85.7%	Score 2155.5	DB 2	Length 454
Best Local Similarity	89.2%	Pred No. 1.7e-159		
Matches 405	Conservative 17	Mismatches 29	Indels 3	Gaps 1

Qy	20	QVOLI VQSAEYKPKKPAASVKVCSKASGYFTYSVMQWVMOA PQGRLEMMGEIDPDSYTNX	79
Dp	1	QVOLI QQSSPELVKPKASVKYKICKTSIGYFTETYMNMKQSGKSLMTIGFNPKNQSSSH	60
Qy	80	NQKFKGKATLTVDTSASTAYMELSLSREBDTAVVYCAARNRDSNNW---YPDWMBEGTLV	136
Dp	61	NQRFMDKATLTAVDSTSTAYMELNRLTSDSGIYYCAAMRGILNYPFVDRFPDWAGITLV	120
Qy	137	TVSSASTYGPBVPFLAPBSKSTSGGTALGCLVKDYFPBEPYTVSNNSGALNSGHTFPAY	196
Dp	121	TVSSASTYGPBVPFLAPBSKSTSGGTALGCLVKDYFPBEPYTVSNNSGALNSGHTFPAY	180
Qy	197	LQSSGLYSLSSVWVWVPSSSLGTQYICNVNHNKPSNTKYDKRVEPKSCDKHTCPCPAPE	256
Dp	181	LQSSGLYSLSSVWVWVPSSSLGTQYICNVNHNKPSNTKYDKRVEPKSCDKHTCPCPAPE	240
Qy	257	LLGGPSVFLPPPKPKDTLMI SRTPBVCVVVDVSHEDPEVKFNMTYDGEVNAATKPRE	316
Dp	241	LLGGPSVFLPPPKPKDTLMI SRTPBVCVVVDVSHEDPEVKFNMTYDGEVNAATKPRE	300
Qy	317	EQVNSTRVVSVLTVLHODMLNGEKYKKVSNKALPALEKTIISAKQAPREPQVYTLPr	376
Dp	301	EQVNSTRVVSVLTVLHODMLNGEKYKKVSNKALPALEKTIISAKQAPREPQVYTLPr	360
Qy	377	SREEMTKNQVSLTCLVKGFYPSDIAVEMESNGQEPENNNKTTPrPVLDSGSEFLYSKLTVD	436
Dp	361	SREEMTKNQVSLTCLVKGFYPSDIAVEMESNGQEPENNNKTTPrPVLDSGSEFLYSKLTVD	420
Qy	437	KSRWQGNVSCSVMEALHNHTYQKSLSLSPGK	470
Dp	421	KSRWQGNVSCSVMEALHNHTYQKSLSLSPGK	454

RESULT 14
US-08-437-642B-22
; Sequence 22, Application US/08437642B
; Patent No. 6054297
; GENERAL INFORMATION:

```

1 APPLICANT: Paul J. Carter
2 APPLICANT: Leonard G. Presta
3 TITLE OF INVENTION: Immunoglobulin Variants
4 NUMBER OF SEQUENCES: 47
5 CORRESPONDENCE ADDRESS:
6 ADDRESS: Genentech, Inc.
7 STREET: 1 DNA Way
8 CITY: South San Francisco
9 STATE: California
10 COUNTRY: USA
11 ZIP: 94080
12
13 COMPUTER READABLE FORM:
14 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
15 COMPUTER: IBM PC compatible
16 OPERATING SYSTEM: PC-DOS/MS-DOS
17 SOFTWARE: WinPatIn (Genentech)
18 CURRENT APPLICATION DATA:
19 APPLICATION NUMBER: US/08/437,642B
20 FILING DATE: 09-May-1995
21 CLASSIFICATION: 530
22 PRIOR APPLICATION DATA:
23 APPLICATION NUMBER: 07/934373
24 FILING DATE: 21-Aug-1992
25 PRIOR APPLICATION DATA:
26 APPLICATION NUMBER: 08/146206
27 FILING DATE: 17-Nov-1993
28 PRIOR APPLICATION DATA:
29 APPLICATION NUMBER: PCT/US92/05126
30 FILING DATE: 15-JUN-1992
31 PRIOR APPLICATION DATA:
32 APPLICATION NUMBER: 07/715272
33 FILING DATE: 14-JUN-1991
34 ATTORNEY/AGENT INFORMATION:
35 NAME: Lee, Wendy M.
36 REGISTRATION NUMBER: 40,378
37 REFERENCE/DOCKET NUMBER: P0709P2C1
38 TELECOMMUNICATION INFORMATION:
39 TELEPHONE: 650/225-1994
40 TELEFAX: 650/952-9881
41 INFORMATION FOR SEQ ID NO: 22:
42 SEQUENCE CHARACTERISTICS:
43 LENGTH: 454 amino acids
44 TYPE: Amino Acid
45 TOPOLOGY: Linear
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Query March	85.7%	Score 2155.5	DB 3	Length 454
Best Local Similarity	89.2%	Pred. No. 17e-159		
Match 405, Conservative	17	Mismatches 29	Indels 3	Gaps 1

Qy	20	QVQLVSGAVKPKPKGASVKYSCKASGTTPTFSYMMQWVKAPGQRLEMMGEIDSDSYT	79
Db	1	QVQLVSGAVKPKPKGASVKYSCKASGTTPTFSYMMQWVKAPGQRLEMMGEIDSDSYT	79
Qy	80	NQKFKGATLTVPDTASASTAYMELSLRSEDTAYVYCAKRNDDYNNW---	YFDVWGEGLV 136
Db	61	NQKFKGATLTVPDTASASTAYMELSLRSEDTAYVYCAKRNDDYNNW---	YFDVWGEGLV 136
Qy	137	TVSSASTKGPVPEPLAPSSKSTSGTAALGCLAKDYFPPEPVTSMMNGALTSQVHTPEAV	196
Db	121	TVSSASTKGPVPEPLAPSSKSTSGTAALGCLAKDYFPPEPVTSMMNGALTSQVHTPEAV	196
Qy	197	LQSSGLYSLSVTVTPBSSLSGTQYIICNVNHRKPSNTKVDKRVKPSCDKTHTCPCPAPE	256
Db	181	LQSSGLYSLSVTVTPBSSLSGTQYIICNVNHRKPSNTKVDKRVKPSCDKTHTCPCPAPE	240
Qy	257	LIGGPSVFLFPKPKKOTLMSRPEVATCVVVDVSHEDPEVKFMYVDGVEVNAKTKPRE	316
Db	241	LIGGPSVFLFPKPKKOTLMSRPEVATCVVVDVSHEDPEVKFMYVDGVEVNAKTKPRE	300
Qy	317	EQNSTYRVVSVTLVTHQDWLNKEVKCKVSNALAPLEKITSKAKGQPREQVYTLTP	376
Db	301	EQNSTYRVVSVTLVTHQDWLNKEVKCKVSNALAPLEKITSKAKGQPREQVYTLTP	360

QY 377 SREBMTNVOVSLTCLVKGFPSPDIAVEMESNGOPENNKTTPVPLDSDGSFPLXSKLTVD 436
DB 361 SREBMTNVOVSLTCLVKGFPSPDIAVEMESNGOPENNKTTPVPLDSDGSFPLXSKLTVD 420
QY 437 KSRWQGNVFSCSVMEALHNHYTQKSLSLSPGK 470
DB 421 KSRWQGNVFSCSVMEALHNHYTQKSLSLSPGK 454

RESULT 15

US-08-146-206C-22
; Sequence 22, Application US/08146206C
; Patent No. 6407213
; GENERAL INFORMATION:
; APPLICANT: Carter, Paul J.
; APPLICANT: Preeta, Leonard G.
; TITLE OF INVENTION: Method for Making Humanized Antibodies
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: MinipatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/146,206C
; FILING DATE: 17-No. 6407213-1993
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/715272
; FILING DATE: 14-JUN-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Lee, Wendy M.
; REGISTRATION NUMBER: 40,378
; REFERENCE/DOCKET NUMBER: P0709P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-1994
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 454 amino acids
; TYPE: Amino Acid
; TOPOLOGY: linear
; US-08-146-206C-22

Query Match 85.7%; Score 2155.5; DB 4; Length 454;
Best Local Similarity 89.2%; Pred. No. 1.7e-159;
Matches 405; Conservative 17; Mismatches 29; Indels 3; Gaps 1;

QY 20 QVQLVQSGAEVKKPGASVKVSCKASGTTFTSYMMQWYKQAPGRLRMNGSIDPSDSTNY 79
DB 1 QVQLVQSGAEVKKPGASVKVSCKASGTTFTSYMMQWYKQAPGRLRMNGSIDPSDSTNY 60
QY 80 NQPKGKATLTVPDTSASTAYMELSLRSEPTAVYYCARNDYSNNM---YFDVWGEGTLV 136
DB 61 NQPKGKATLTVPDTSASTAYMELSLRSEPTAVYYCARNDYSNNM---YFDVWGEGTLV 120
QY 137 TVSSASTKGSPVPLAPSSKTSISGTAALGCLVQDFPPEPTVSMNSGALTSVHTFPAY 196
DB 121 TVSSASTKGSPVPLAPSSKTSISGTAALGCLVQDFPPEPTVSMNSGALTSVHTFPAY 180
QY 197 LQSSGLYSLSSVTVVPSLSLGTQYICNVNHNKPSNTKYDKRVERPKSCDKHTTCCPPAPE 256
DB 181 LQSSGLYSLSSVTVVPSLSLGTQYICNVNHNKPSNTKYDKRVERPKSCDKHTTCCPPAPE 240
QY 257 ILGGPSVFLPPPKRDITLMISTRPEVTGVVVDVSHEDPEVFNMYVDGVEVHNAKTPRE 316

DB 241 ILGGPSVFLPPPKRDITLMISTRPEVTGVVVDVSHEDPEVFNMYVDGVEVHNAKTPRE 300
QY 317 EQNSTTRVSVLTVLHODPLNGKRYCKVSNKALPAPIERTISKAGQPREPQVYTLPP 376
DB 301 EQNSTTRVSVLTVLHODPLNGKRYCKVSNKALPAPIERTISKAGQPREPQVYTLPP 360
QY 377 SREBMTNVOVSLTCLVKGFPSPDIAVEMESNGOPENNKTTPVPLDSDGSFPLXSKLTVD 436
DB 361 SREBMTNVOVSLTCLVKGFPSPDIAVEMESNGOPENNKTTPVPLDSDGSFPLXSKLTVD 420
QY 437 KSRWQGNVFSCSVMEALHNHYTQKSLSLSPGK 470
DB 421 KSRWQGNVFSCSVMEALHNHYTQKSLSLSPGK 454

Search completed: February 20, 2004, 13:35:04
Job time: 16.5872 secs

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Mon Feb 23 07:54:43 2004

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OM protein - protein search, using sw model

Run on: February 20, 2004, 13:31:02 ; Search time 35.6422 seconds
(without alignments)
2761.047 Million cell updates/secUS-09-499-662-89
Title: 2515
1 MGNMCIILFLVATATGVHSO.....MHKALHNHYTKSLSLSPK 470

Perfect score:

Sequence: BLOSUM62
Gapop 10.0, Gapext 0.5Scoring table: 801455 segs, 209382283 residues
Searched: 801455
Total number of hits satisfying chosen parameters: 801455Minimum DB seq length: 0
Maximum DB seq length: 200000000Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :	Published Applications AA:*
1: /cgn2_6/ptodata/1/pubppa/US07_PUBCOMB.pep:*	
2: /cgn2_6/ptodata/1/pubppa/US06_PUB_PUB.pep:*	
3: /cgn2_6/ptodata/1/pubppa/US06_PUBCOMB.pep:*	
4: /cgn2_6/ptodata/1/pubppa/US07_PUBCOMB.pep:*	
5: /cgn2_6/ptodata/1/pubppa/US08_PUBCOMB.pep:*	
6: /cgn2_6/ptodata/1/pubppa/US08_PUBCOMB.pep:*	
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8: /cgn2_6/ptodata/1/pubppa/US09_PUBCOMB.pep:*	
9: /cgn2_6/ptodata/1/pubppa/US09_PUBCOMB.pep:*	
10: /cgn2_6/ptodata/1/pubppa/US09_PUBCOMB.pep:*	
11: /cgn2_6/ptodata/1/pubppa/US10_PUBCOMB.pep:*	
12: /cgn2_6/ptodata/1/pubppa/US10_PUBCOMB.pep:*	
13: /cgn2_6/ptodata/1/pubppa/US10_PUBCOMB.pep:*	
14: /cgn2_6/ptodata/1/pubppa/US10_PUBCOMB.pep:*	
15: /cgn2_6/ptodata/1/pubppa/US10_PUBCOMB.pep:*	
16: /cgn2_6/ptodata/1/pubppa/US10_PUBCOMB.pep:*	
17: /cgn2_6/ptodata/1/pubppa/US10_PUBCOMB.pep:*	
18: /cgn2_6/ptodata/1/pubppa/US10_PUBCOMB.pep:*	

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2515	100.0	470	US-10-384-933-89	Sequence 89, Appl
2	2515	100.0	470	US-10-216-484-83	Sequence 89, Appl
3	2504	99.6	470	US-10-384-933-117	Sequence 117, Appl
4	2504	99.6	470	US-10-216-484-117	Sequence 117, Appl
5	2501	99.4	470	US-10-384-933-143	Sequence 143, Appl
6	2501	99.4	470	US-10-216-484-143	Sequence 143, Appl
7	2499	99.4	470	US-10-384-933-145	Sequence 145, Appl
8	2499	99.4	470	US-10-216-484-145	Sequence 145, Appl
9	2498	99.3	470	US-10-384-933-147	Sequence 147, Appl
10	2498	99.3	470	US-10-216-484-147	Sequence 147, Appl
11	2485	98.8	470	US-10-384-933-157	Sequence 157, Appl
12	2485	98.8	470	US-10-216-484-157	Sequence 157, Appl
13	2330.5	92.7	741	US-09-825-012-46	Sequence 46, Appl
14	2330.5	92.7	741	US-09-825-012-55	Sequence 55, Appl
15	2325.5	92.5	729	US-09-825-012-52	Sequence 52, Appl

16	2325.5	92.5	739	10	US-09-825-012-61	Sequence 61, Appl
17	2319.5	92.2	730	10	US-09-825-012-49	Sequence 49, Appl
18	2319.5	92.2	740	10	US-09-825-012-58	Sequence 58, Appl
19	2277.5	90.6	469	12	US-10-377-121-18	Sequence 18, Appl
20	2277.5	90.4	469	12	US-10-377-121-22	Sequence 22, Appl
21	2272.5	90.0	472	12	US-10-159-006-43	Sequence 43, Appl
22	2263	89.4	476	12	US-10-225-108A-16	Sequence 16, Appl
23	2248	89.4	476	12	US-10-461-148-9	Sequence 9, Appl
24	2248	89.2	476	12	US-09-747-659-3	Sequence 3, Appl
25	2244	89.2	476	15	US-10-290-703-3	Sequence 3, Appl
26	2242.5	89.2	467	12	US-10-353-708-41	Sequence 41, Appl
27	2242.5	89.2	467	12	US-10-353-708-47	Sequence 47, Appl
28	2242.5	89.2	467	12	US-10-353-708-49	Sequence 59, Appl
29	2242.5	89.2	467	15	US-10-171-452A-41	Sequence 41, Appl
30	2242.5	89.2	467	15	US-10-171-452A-47	Sequence 47, Appl
31	2242.5	89.2	467	15	US-10-171-452A-59	Sequence 59, Appl
32	2239.5	89.0	467	12	US-10-353-708-53	Sequence 53, Appl
33	2239.5	89.0	467	15	US-10-171-452A-53	Sequence 53, Appl
34	2237	88.9	476	12	US-10-409-938-15	Sequence 15, Appl
35	2231.5	88.7	448	12	US-10-378-567-2	Sequence 2, Appl
36	2209.5	87.9	448	12	US-10-353-708-48	Sequence 48, Appl
37	2209.5	87.9	448	12	US-10-353-708-60	Sequence 60, Appl
38	2209.5	87.9	448	15	US-10-171-452A-48	Sequence 48, Appl
39	2209.5	87.9	448	15	US-10-171-452A-60	Sequence 60, Appl
40	2209.5	87.9	448	12	US-10-353-708-42	Sequence 42, Appl
41	2206.5	87.7	448	12	US-10-104-047-3329	Sequence 3329, Ap
42	2206.5	87.7	448	12	US-10-353-708-42	Sequence 42, Appl
43	2206.5	87.7	448	12	US-10-353-708-54	Sequence 54, Appl
44	2206.5	87.7	448	15	US-10-171-452A-42	Sequence 42, Appl
45	2196	87.3	472	12	US-10-171-452A-54	Sequence 54, Appl
					US-10-159-006-30	Sequence 30, Appl

ALIGNMENTS

RESULT 1	US-10-384-933-89	US-10-384-933-89
Sequence 89, Appl	Application US/10384933	
Publication No.	US20030170817A1	
GENERAL INFORMATION:	No. US20030170817A1:ufuaa	
APPLICANT:	Seizawa, Hideyuki	
APPLICANT:	Hariyama, Kaori	
APPLICANT:	Nakamura, Kaori	
APPLICANT:	Takashi, Kohru	
APPLICANT:	Takashi, Kohru	
TITLE OF INVENTION:	Anti-Fas Antibodies	
FILE REFERENCE:	980126CIP/HG	US/10/384, 933
CURRENT FILING DATE:	2003-02-05	
PRIOR FILING DATE:	2000-02-09	
PRIOR APPLICATION NUMBER:	US/09/499,662	
PRIOR FILING DATE:	1998-04-01	
PRIOR APPLICATION NUMBER:	EARLIER APPLICATION NUMBER: US 09/053,583	
NUMBER OF SEQ ID NOS:	165	
SEQ ID NO 89		
LENGTH:	470	
TYPE:	PRT	
ORGANISM:	Artificial Sequence	
FEATURE:	Description of Artificial Sequence: Designed heavy	
OTHER INFORMATION:	chain of humanized anti-Fas antibody	
Query Match	100.0%; Score 2515; DB 12; Length 470;	
Best Local Similarity	100.0%; Pred. No. 2.5e-16; Indels 0; Gaps 0;	
Matches	470; Conservative 0; Mismatches 0	
QY	1 MGNMCIILFLVATATGVHSOVOVVGSGAEVKKGSVKSCKASGYTSTYMQWVQAP 60	
DB	1 MGNMCIILFLVATATGVHSOVOVVGSGAEVKKGSVKSCKASGYTSTYMQWVQAP 60	
QY	61 GQLEWMEGRIPDSGYTNYNOKFKGATLVVDLSASTAVWEISLSEDTAVYCARRD 120	

Db 61 GORLEMMGEIDPSDSTYNNOKEFGKATLTVDTASASTAYMELSLRSEDTAVVYCARND 120
QY 121 YSNMWYDVWMBEGTLVTVSSASTKGPVFLPAPSKSTSGTAAAGCLVNDYFPEPYTVS 180
Db 121 YSNMWYDVWMBEGTLVTVSSASTKGPVFLPAPSKSTSGTAAAGCLVNDYFPEPYTVS 180
QY 181 MNSGALTSVHTPAVLOSSGLYSLSVTVVPSSSLGTQYIICVNHKPSNTKVDKVERP 240
Db 181 MNSGALTSVHTPAVLOSSGLYSLSVTVVPSSSLGTQYIICVNHKPSNTKVDKVERP 240
QY 241 KSCDKHTCPCPAPBELLGGPSVFLPPKPDITLMSRTPEVTCVVVDVSHEDDEVKFNW 300
Db 241 KSCDKHTCPCPAPBELLGGPSVFLPPKPDITLMSRTPEVTCVVVDVSHEDDEVKFNW 300
QY 301 YVDGEVHNAKTKREBOYNSTRVSVLTVLHODWLNKGRKCKVSNKALPAIEKTIS 360
Db 301 YVDGEVHNAKTKREBOYNSTRVSVLTVLHODWLNKGRKCKVSNKALPAIEKTIS 360
QY 361 KAKQPREPOVYTLPPREEMTKNOVSLTCLVKGFPYSDIAVEMESNGOPENNYKTTTPV 420
Db 361 KAKQPREPOVYTLPPREEMTKNOVSLTCLVKGFPYSDIAVEMESNGOPENNYKTTTPV 420
QY 421 LDSGSEFLLYSKLTVDKSRWQGNVFCSVWHBALHNNHTQKSLSPGK 470
Db 421 LDSGSEFLLYSKLTVDKSRWQGNVFCSVWHBALHNNHTQKSLSPGK 470

RESULT 2

US-10-216-484-89
; Sequence 89, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 89
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-89

Query Match 100.0%; Score 2515; DB 15; Length 470;
Best Local Similarity 100.0%; Pred. No. 2,5e-166;
Matches 470; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MMSCIILFLVATATGHSQVQLVQSGAEVKKPGASVKVSCKASGTTFTSYMQWVKQAP 60
Db 1 MMSCIILFLVATATGHSQVQLVQSGAEVKKPGASVKVSCKASGTTFTSYMQWVKQAP 60
QY 61 GORLEMMGEIDPSDSTYNNOKEFGKATLTVDTASASTAYMELSLRSEDTAVVYCARND 120
Db 61 GORLEMMGEIDPSDSTYNNOKEFGKATLTVDTASASTAYMELSLRSEDTAVVYCARND 120
QY 121 YSNMWYDVWMBEGTLVTVSSASTKGPVFLPAPSKSTSGTAAAGCLVNDYFPEPYTVS 180
Db 121 YSNMWYDVWMBEGTLVTVSSASTKGPVFLPAPSKSTSGTAAAGCLVNDYFPEPYTVS 180
QY 181 MNSGALTSVHTPAVLOSSGLYSLSVTVVPSSSLGTQYIICVNHKPSNTKVDKVERP 240
Db 181 MNSGALTSVHTPAVLOSSGLYSLSVTVVPSSSLGTQYIICVNHKPSNTKVDKVERP 240

Db 181 MNSGALTSVHTPAVLOSSGLYSLSVTVVPSSSLGTQYIICVNHKPSNTKVDKVERP 240
QY 241 KSCDKHTCPCPAPBELLGGPSVFLPPKPDITLMSRTPEVTCVVVDVSHEDDEVKFNW 300
Db 241 KSCDKHTCPCPAPBELLGGPSVFLPPKPDITLMSRTPEVTCVVVDVSHEDDEVKFNW 300
QY 301 YVDGEVHNAKTKREBOYNSTRVSVLTVLHODWLNKGRKCKVSNKALPAIEKTIS 360
Db 301 YVDGEVHNAKTKREBOYNSTRVSVLTVLHODWLNKGRKCKVSNKALPAIEKTIS 360
QY 361 KAKQPREPOVYTLPPREEMTKNOVSLTCLVKGFPYSDIAVEMESNGOPENNYKTTTPV 420
Db 361 KAKQPREPOVYTLPPREEMTKNOVSLTCLVKGFPYSDIAVEMESNGOPENNYKTTTPV 420
QY 421 LDSGSEFLLYSKLTVDKSRWQGNVFCSVWHBALHNNHTQKSLSPGK 470
Db 421 LDSGSEFLLYSKLTVDKSRWQGNVFCSVWHBALHNNHTQKSLSPGK 470

RESULT 3

US-10-384-933-117
; Sequence 117, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 117
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-117

Query Match 99.6%; Score 2504; DB 12; Length 470;
Best Local Similarity 99.6%; Pred. No. 1.4e-165;
Matches 468; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 MMSCIILFLVATATGHSQVQLVQSGAEVKKPGASVKVSCKASGTTFTSYMQWVKQAP 60
Db 1 MMSCIILFLVATATGHSQVQLVQSGAEVKKPGASVKVSCKASGTTFTSYMQWVKQAP 60
QY 61 GORLEMMGEIDPSDSTYNNOKEFGKATLTVDTASASTAYMELSLRSEDTAVVYCARND 120
Db 61 GORLEMMGEIDPSDSTYNNOKEFGKATLTVDTASASTAYMELSLRSEDTAVVYCARND 120
QY 121 YSNMWYDVWMBEGTLVTVSSASTKGPVFLPAPSKSTSGTAAAGCLVNDYFPEPYTVS 180
Db 121 YSNMWYDVWMBEGTLVTVSSASTKGPVFLPAPSKSTSGTAAAGCLVNDYFPEPYTVS 180
QY 181 MNSGALTSVHTPAVLOSSGLYSLSVTVVPSSSLGTQYIICVNHKPSNTKVDKVERP 240
Db 181 MNSGALTSVHTPAVLOSSGLYSLSVTVVPSSSLGTQYIICVNHKPSNTKVDKVERP 240
QY 241 KSCDKHTCPCPAPBELLGGPSVFLPPKPDITLMSRTPEVTCVVVDVSHEDDEVKFNW 300
Db 241 KSCDKHTCPCPAPBELLGGPSVFLPPKPDITLMSRTPEVTCVVVDVSHEDDEVKFNW 300
QY 301 YVDGEVHNAKTKREBOYNSTRVSVLTVLHODWLNKGRKCKVSNKALPAIEKTIS 360
Db 301 YVDGEVHNAKTKREBOYNSTRVSVLTVLHODWLNKGRKCKVSNKALPAIEKTIS 360

Mon Feb 23 07:54:43 2004

us-09-499-662-89.rapb

Page 3

Db 301 YVDGEVHNAKTRREBOQNSTYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTIS 360
Qy 361 KAKGPREPOVYTLPPSRREEMTKNOVSLTCLVKGYFSPSDIAVWESNGQPENNYKTTTPV 420
Db 361 KAKGPREPOVYTLPPSRREEMTKNOVSLTCLVKGYFSPSDIAVWESNGQPENNYKTTTPV 420
Qy 421 LQSDGSFFLYSKLTVDKSRMOQGNVSCSVMEHALHNHYTKSLSPGK 470
Db 421 LQSDGSFFLYSKLTVDKSRMOQGNVSCSVMEHALHNHYTKSLSPGK 470

RESULT 4
US-10-216-484-117
Sequence 117, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Hanyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Pas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US/09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 117
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURES:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
OTHER INFORMATION: chain of humanized anti-Pas antibody
US-10-216-484-117

Query Match 99.64; Score 2504; DB 15; Length 470;
Best Local Similarity 99.64; Pred. No. 1,4e-165;
Matches 468; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 MGNSCILFLVATATGVSQVQLVQSGAEVKKPKQASVYKSCSKSGTFTSYMMQWVKQAP 60
Db 1 MGNSCILFLVATATGVSQVQLVQSGAEVKKPKQASVYKSCSKSGTFTSYMMQWVKQAP 60
Qy 61 GQRLMGEIDPSDSTYNQKFKGKATLVDTASTAYMELSLRSEDTAVYCARND 120
Db 61 GQRLMGEIDPSDSTYNQKFKGKATLVDTASTAYMELSLRSEDTAVYCARND 120
Qy 61 GQRLMGEIDPSDSTYNQKFKGKATLVDTASTAYMELSLRSEDTAVYCARND 120
Db 61 GQRLMGEIDPSDSTYNQKFKGKATLVDTASTAYMELSLRSEDTAVYCARND 120
Qy 121 YSNMWFVDWGEGTLVTVSSASTKGPVPLAPSSKSTSGTALGCLVQDYPPEPVTS 180
Db 121 YSNMWFVDWGEGTLVTVSSASTKGPVPLAPSSKSTSGTALGCLVQDYPPEPVTS 180
Qy 121 YSNMWFVDWGEGTLVTVSSASTKGPVPLAPSSKSTSGTALGCLVQDYPPEPVTS 180
Db 121 YSNMWFVDWGEGTLVTVSSASTKGPVPLAPSSKSTSGTALGCLVQDYPPEPVTS 180
Qy 181 WNSGALTSVHTFPAYLQSSGLYSLSVTVPSSSLGTQYICNVNHPKSNKTKDKVEP 240
Db 181 WNSGALTSVHTFPAYLQSSGLYSLSVTVPSSSLGTQYICNVNHPKSNKTKDKVEP 240
Qy 181 WNSGALTSVHTFPAYLQSSGLYSLSVTVPSSSLGTQYICNVNHPKSNKTKDKVEP 240
Db 181 WNSGALTSVHTFPAYLQSSGLYSLSVTVPSSSLGTQYICNVNHPKSNKTKDKVEP 240
Qy 241 KSCDKHTPCPCPAPELLGGPSVFLPPEPKDITMTSRPEVTCVAVVSHEDPEVKFNW 300
Db 241 KSCDKHTPCPCPAPELLGGPSVFLPPEPKDITMTSRPEVTCVAVVSHEDPEVKFNW 300
Qy 241 KSCDKHTPCPCPAPELLGGPSVFLPPEPKDITMTSRPEVTCVAVVSHEDPEVKFNW 300
Db 241 KSCDKHTPCPCPAPELLGGPSVFLPPEPKDITMTSRPEVTCVAVVSHEDPEVKFNW 300
Qy 301 YVDGEVHNAKTRREBOQNSTYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNAKTRREBOQNSTYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTIS 360
Qy 301 YVDGEVHNAKTRREBOQNSTYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNAKTRREBOQNSTYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTIS 360
Qy 361 KAKGPREPOVYTLPPSRREEMTKNOVSLTCLVKGYFSPSDIAVWESNGQPENNYKTTTPV 420
Db 361 KAKGPREPOVYTLPPSRREEMTKNOVSLTCLVKGYFSPSDIAVWESNGQPENNYKTTTPV 420
Qy 361 KAKGPREPOVYTLPPSRREEMTKNOVSLTCLVKGYFSPSDIAVWESNGQPENNYKTTTPV 420
Db 361 KAKGPREPOVYTLPPSRREEMTKNOVSLTCLVKGYFSPSDIAVWESNGQPENNYKTTTPV 420
Qy 421 LQSDGSFFLYSKLTVDKSRMOQGNVSCSVMEHALHNHYTKSLSPGK 470
Db 421 LQSDGSFFLYSKLTVDKSRMOQGNVSCSVMEHALHNHYTKSLSPGK 470

Db 421 LQSDGSFFLYSKLTVDKSRMOQGNVSCSVMEHALHNHYTKSLSPGK 470

RESULT 5
US-10-384-933-143
Sequence 143, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Hanyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Pas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 143
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURES:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
OTHER INFORMATION: chain of humanized anti-Pas antibody
US-10-384-933-143

Query Match 99.44; Score 2501; DB 12; Length 470;
Best Local Similarity 99.44; Pred. No. 2,3e-165;
Matches 467; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 1 MGNSCILFLVATATGVSQVQLVQSGAEVKKPKQASVYKSCSKSGTFTSYMMQWVKQAP 60
Db 1 MGNSCILFLVATATGVSQVQLVQSGAEVKKPKQASVYKSCSKSGTFTSYMMQWVKQAP 60
Qy 61 GQRLMGEIDPSDSTYNQKFKGKATLVDTASTAYMELSLRSEDTAVYCARND 120
Db 61 GQRLMGEIDPSDSTYNQKFKGKATLVDTASTAYMELSLRSEDTAVYCARND 120
Qy 61 GQRLMGEIDPSDSTYNQKFKGKATLVDTASTAYMELSLRSEDTAVYCARND 120
Db 61 GQRLMGEIDPSDSTYNQKFKGKATLVDTASTAYMELSLRSEDTAVYCARND 120
Qy 121 YSNMWFVDWGEGTLVTVSSASTKGPVPLAPSSKSTSGTALGCLVQDYPPEPVTS 180
Db 121 YSNMWFVDWGEGTLVTVSSASTKGPVPLAPSSKSTSGTALGCLVQDYPPEPVTS 180
Qy 121 YSNMWFVDWGEGTLVTVSSASTKGPVPLAPSSKSTSGTALGCLVQDYPPEPVTS 180
Db 121 YSNMWFVDWGEGTLVTVSSASTKGPVPLAPSSKSTSGTALGCLVQDYPPEPVTS 180
Qy 181 WNSGALTSVHTFPAYLQSSGLYSLSVTVPSSSLGTQYICNVNHPKSNKTKDKVEP 240
Db 181 WNSGALTSVHTFPAYLQSSGLYSLSVTVPSSSLGTQYICNVNHPKSNKTKDKVEP 240
Qy 181 WNSGALTSVHTFPAYLQSSGLYSLSVTVPSSSLGTQYICNVNHPKSNKTKDKVEP 240
Db 181 WNSGALTSVHTFPAYLQSSGLYSLSVTVPSSSLGTQYICNVNHPKSNKTKDKVEP 240
Qy 241 KSCDKHTPCPCPAPELLGGPSVFLPPEPKDITMTSRPEVTCVAVVSHEDPEVKFNW 300
Db 241 KSCDKHTPCPCPAPELLGGPSVFLPPEPKDITMTSRPEVTCVAVVSHEDPEVKFNW 300
Qy 241 KSCDKHTPCPCPAPELLGGPSVFLPPEPKDITMTSRPEVTCVAVVSHEDPEVKFNW 300
Db 241 KSCDKHTPCPCPAPELLGGPSVFLPPEPKDITMTSRPEVTCVAVVSHEDPEVKFNW 300
Qy 301 YVDGEVHNAKTRREBOQNSTYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNAKTRREBOQNSTYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTIS 360
Qy 301 YVDGEVHNAKTRREBOQNSTYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNAKTRREBOQNSTYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTIS 360
Qy 361 KAKGPREPOVYTLPPSRREEMTKNOVSLTCLVKGYFSPSDIAVWESNGQPENNYKTTTPV 420
Db 361 KAKGPREPOVYTLPPSRREEMTKNOVSLTCLVKGYFSPSDIAVWESNGQPENNYKTTTPV 420
Qy 361 KAKGPREPOVYTLPPSRREEMTKNOVSLTCLVKGYFSPSDIAVWESNGQPENNYKTTTPV 420
Db 361 KAKGPREPOVYTLPPSRREEMTKNOVSLTCLVKGYFSPSDIAVWESNGQPENNYKTTTPV 420
Qy 421 LQSDGSFFLYSKLTVDKSRMOQGNVSCSVMEHALHNHYTKSLSPGK 470
Db 421 LQSDGSFFLYSKLTVDKSRMOQGNVSCSVMEHALHNHYTKSLSPGK 470

RESULT 6
US-10-216-484-143
Sequence 143, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:

APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CJP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 143
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
US-10-216-484-143

Query Match 99.4%; Score 2501; DB 15; Length 470;
Best Local Similarity 99.4%; Pred. No. 2.3e-165;
Matches 467; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGMSCTLLFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVKQAP 60
DB 1 MGMSCTLLFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVKQAP 60
QY 61 GORLEMMGEIDPSDSTNNQKFGKATLTVDTSASTAYMELSLRSEDPAVYYCAARRD 120
DB 61 GORLEMMGEIDPSDSTNNQKFGKATLTVDTSASTAYMELSLRSEDPAVYYCAARRD 120
QY 121 YSNWNYDVWGEGLTVTVSSASTKGPVFLAPSSKSTSGGTALGCLVNDYFPEPTVS 180
DB 121 YSNWNYDVWGEGLTVTVSSASTKGPVFLAPSSKSTSGGTALGCLVNDYFPEPTVS 180
QY 181 MNSGALTSVHTPEPAVLQSSGLYSLSVTVTPSSSLGTQTYICNVNHPKSNTRYDKRVER 240
DB 181 MNSGALTSVHTPEPAVLQSSGLYSLSVTVTPSSSLGTQTYICNVNHPKSNTRYDKRVER 240
QY 241 KSCDKHTTCCPCAPBELLGSPVFLPPPKPDITLMISRTPEVTCVVVDVSHEDPEVKFNW 300
DB 241 KSCDKHTTCCPCAPBELLGSPVFLPPPKPDITLMISRTPEVTCVVVDVSHEDPEVKFNW 300
QY 301 YVDGEVHNAKTRERQYNSTRVSVLTFLHODMNLNGEKYCKVSNKALPAPIETKIS 360
DB 301 YVDGEVHNAKTRERQYNSTRVSVLTFLHODMNLNGEKYCKVSNKALPAPIETKIS 360
QY 361 KAKGQPREPQVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPV 420
DB 361 KAKGQPREPQVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPV 420
QY 421 LDSGSEFLYSKLTVDKSRMQQGNVFCSCVMHEALHNHYTQKSLSLSPGK 470
DB 421 LDSGSEFLYSKLTVDKSRMQQGNVFCSCVMHEALHNHYTQKSLSLSPGK 470

RESULT 7
US-10-384-933-145
Sequence 145, Application US/10384933
Publication No. US2003010817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US2003010817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CJP/HG
CURRENT APPLICATION NUMBER: US/10/384,933

CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 145
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
US-10-384-933-145

Query Match 99.4%; Score 2499; DB 12; Length 470;
Best Local Similarity 99.1%; Pred. No. 3.2e-165;
Matches 466; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGMSCTLLFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVKQAP 60
DB 1 MGMSCTLLFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVKQAP 60
QY 61 GORLEMMGEIDPSDSTNNQKFGKATLTVDTSASTAYMELSLRSEDPAVYYCAARRD 120
DB 61 GORLEMMGEIDPSDSTNNQKFGKATLTVDTSASTAYMELSLRSEDPAVYYCAARRD 120
QY 121 YSNWNYDVWGEGLTVTVSSASTKGPVFLAPSSKSTSGGTALGCLVNDYFPEPTVS 180
DB 121 YSNWNYDVWGEGLTVTVSSASTKGPVFLAPSSKSTSGGTALGCLVNDYFPEPTVS 180
QY 181 MNSGALTSVHTPEPAVLQSSGLYSLSVTVTPSSSLGTQTYICNVNHPKSNTRYDKRVER 240
DB 181 MNSGALTSVHTPEPAVLQSSGLYSLSVTVTPSSSLGTQTYICNVNHPKSNTRYDKRVER 240
QY 241 KSCDKHTTCCPCAPBELLGSPVFLPPPKPDITLMISRTPEVTCVVVDVSHEDPEVKFNW 300
DB 241 KSCDKHTTCCPCAPBELLGSPVFLPPPKPDITLMISRTPEVTCVVVDVSHEDPEVKFNW 300
QY 301 YVDGEVHNAKTRERQYNSTRVSVLTFLHODMNLNGEKYCKVSNKALPAPIETKIS 360
DB 301 YVDGEVHNAKTRERQYNSTRVSVLTFLHODMNLNGEKYCKVSNKALPAPIETKIS 360
QY 361 KAKGQPREPQVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPV 420
DB 361 KAKGQPREPQVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPV 420
QY 421 LDSGSEFLYSKLTVDKSRMQQGNVFCSCVMHEALHNHYTQKSLSLSPGK 470
DB 421 LDSGSEFLYSKLTVDKSRMQQGNVFCSCVMHEALHNHYTQKSLSLSPGK 470

RESULT 8
US-10-216-484-145
Sequence 145, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CJP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 145
LENGTH: 470

TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-145

Query Match 99.4%; Score 2499; DB 15; Length 470;
Best Local Similarity 99.1%; Pred. No. 3.2e-155;
Matches 466; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGNSCIIPLVATATGHSQVQLVQSGAEYKKPKASVYVSCSKASGYFTSYMMQWVQAP 60
DB 1 MGNSCIIPLVATATGHSQVQLVQSGAEYKKPKASVYVSCSKASGYFTSYMMQWVQAP 60
QY 61 GQLEWMGELIDPSDSTNNYQKFKGKATLTVDTSASTAYMELSLRSEDTAVYYCARRD 120
DB 61 GQLEWMGELIDPSDSTNNYQKFKGKATLTVDTSASTAYMELSLRSEDTAVYYCARRD 120
QY 121 YSNHWYDVWGEGLTVTVSSASTKGPSVFPLAPSSKSTSGGTALGCLVKDYFPEPTVS 180
DB 121 YSNHWYDVWGEGLTVTVSSASTKGPSVFPLAPSSKSTSGGTALGCLVKDYFPEPTVS 180
QY 181 WNSGALTSVHTPFAVLQSSGLYSLSGVTVVPSSSLGTQYICNVNKPSTKVDKVEP 240
DB 181 WNSGALTSVHTPFAVLQSSGLYSLSGVTVVPSSSLGTQYICNVNKPSTKVDKVEP 240
QY 241 KSCDKHTCCPCPAPELLGGPSVFLPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
DB 241 KSCDKHTCCPCPAPELLGGPSVFLPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
QY 301 YVDGEVHNAKTKRBEQYNSTRVSVLTFLVHODMNLGKEYCKVSNKALPADIETIS 360
DB 301 YVDGEVHNAKTKRBEQYNSTRVSVLTFLVHODMNLGKEYCKVSNKALPADIETIS 360
QY 361 KAKQPREPQVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMSGQPENNYKTTIPV 420
DB 361 KAKQPREPQVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMSGQPENNYKTTIPV 420
QY 421 LDSGSEFLYSKLTVDKSRWQGNVFSCSVHREALHNYTKSLSPGK 470
DB 421 LDSGSEFLYSKLTVDKSRWQGNVFSCSVHREALHNYTKSLSPGK 470

RESULT 9

US-10-384-933-147
Sequence 147, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takashi, Ikuko
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 147
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-147

Query Match 99.3%; Score 2498; DB 12; Length 470;

Best Local Similarity 99.1%; Pred. No. 3.8e-155;
Matches 466; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGNSCIIPLVATATGHSQVQLVQSGAEYKKPKASVYVSCSKASGYFTSYMMQWVQAP 60
DB 1 MGNSCIIPLVATATGHSQVQLVQSGAEYKKPKASVYVSCSKASGYFTSYMMQWVQAP 60
QY 61 GQLEWMGELIDPSDSTNNYQKFKGKATLTVDTSASTAYMELSLRSEDTAVYYCARRD 120
DB 61 GQLEWMGELIDPSDSTNNYQKFKGKATLTVDTSASTAYMELSLRSEDTAVYYCARRD 120
QY 121 YSNHWYDVWGEGLTVTVSSASTKGPSVFPLAPSSKSTSGGTALGCLVKDYFPEPTVS 180
DB 121 YSNHWYDVWGEGLTVTVSSASTKGPSVFPLAPSSKSTSGGTALGCLVKDYFPEPTVS 180
QY 181 WNSGALTSVHTPFAVLQSSGLYSLSGVTVVPSSSLGTQYICNVNKPSTKVDKVEP 240
DB 181 WNSGALTSVHTPFAVLQSSGLYSLSGVTVVPSSSLGTQYICNVNKPSTKVDKVEP 240
QY 241 KSCDKHTCCPCPAPELLGGPSVFLPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
DB 241 KSCDKHTCCPCPAPELLGGPSVFLPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
QY 301 YVDGEVHNAKTKRBEQYNSTRVSVLTFLVHODMNLGKEYCKVSNKALPADIETIS 360
DB 301 YVDGEVHNAKTKRBEQYNSTRVSVLTFLVHODMNLGKEYCKVSNKALPADIETIS 360
QY 361 KAKQPREPQVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMSGQPENNYKTTIPV 420
DB 361 KAKQPREPQVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMSGQPENNYKTTIPV 420
QY 421 LDSGSEFLYSKLTVDKSRWQGNVFSCSVHREALHNYTKSLSPGK 470
DB 421 LDSGSEFLYSKLTVDKSRWQGNVFSCSVHREALHNYTKSLSPGK 470

RESULT 10

US-10-216-484-147
Sequence 147, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takashi, Ikuko
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 147
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-147

Query Match 99.3%; Score 2498; DB 15; Length 470;
Best Local Similarity 99.1%; Pred. No. 3.8e-155;
Matches 466; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGNSCIIPLVATATGHSQVQLVQSGAEYKKPKASVYVSCSKASGYFTSYMMQWVQAP 60
DB 1 MGNSCIIPLVATATGHSQVQLVQSGAEYKKPKASVYVSCSKASGYFTSYMMQWVQAP 60
QY 61 GQLEWMGELIDPSDSTNNYQKFKGKATLTVDTSASTAYMELSLRSEDTAVYYCARRD 120

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Db      61  GGGLEMMGEIDPSDSTYNNQKFKGKATLTVDTSTSTAYMELSLRSEDTAVYYCANRD 120
Qy      121  YSNMWYFDWVGEGLTVTVSSASTKGPVFPPLAPSSKSTSGGTALGCLVNDYFPEPTVS 180
      121  YSNMWYFDWVGGQTLTVTVSSASTKGPVFPPLAPSSKSTSGGTALGCLVNDYFPEPTVS 180
Qy      181  WNSGALTSGVHTPPAVLQSSGLYSLSVTVVPSSSLGTQTYICNVNHPKPSNTKVDKVEP 240
      181  WNSGALTSGVHTPPAVLQSSGLYSLSVTVVPSSSLGTQTYICNVNHPKPSNTKVDKVEP 240
Qy      241  KSCDKHTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
      241  KSCDKHTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
Db      301  YVDGVEVHNAKTKPREEQYNSTRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTIS 360
      301  YVDGVEVHNAKTKPREEQYNSTRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTIS 360
Qy      361  KAKGPREPOVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVWESNGQPENNYKTPPV 420
      361  KAKGPREPOVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVWESNGQPENNYKTPPV 420
Db      421  LBSDDGSEFLYSKLTVDKSRWQGNVSCSVWHEALHNHYTQKSLSLSPGK 470
      421  LBSDDGSEFLYSKLTVDKSRWQGNVSCSVWHEALHNHYTQKSLSLSPGK 470
Qy      421  LBSDDGSEFLYSKLTVDKSRWQGNVSCSVWHEALHNHYTQKSLSLSPGK 470
      421  LBSDDGSEFLYSKLTVDKSRWQGNVSCSVWHEALHNHYTQKSLSLSPGK 470

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RESULT 11

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US-10-384-933-157
; Sequence 157, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CJP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 157
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed
; OTHER INFORMATION: heavy chain of humanized anti-Fas antibody
US-10-384-933-157

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Query Match 98.8%; Score 2485; DB 12; Length 470;

Best Local Similarity 98.5%; Pred. No. 3e-164;

Matches 463; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

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Qy      1  MGNSCITLFLVATATGVHSQVQLVQSGAEVKKPGASVYSCKASGYFTSYMQMVAQAP 60
      1  MGNSCITLFLVATATGVHSQVQLVQSGAEVKKPGASVYSCKASGYFTSYMQMVAQAP 60
Db      1  MGNSCITLFLVATATGVHSQVQLVQSGAEVKKPGASVYSCKASGYFTSYMQMVAQAP 60
Qy      61  GQGLEMMGEIDPSDSTYNNQKFKGKATLTVDTSTSTAYMELSLRSEDTAVYYCANRD 120
      61  GQGLEMMGEIDPSDSTYNNQKFKGKATLTVDTSTSTAYMELSLRSEDTAVYYCANRD 120
Db      61  GQGLEMMGEIDPSDSTYNNQKFKGKATLTVDTSTSTAYMELSLRSEDTAVYYCANRD 120
Qy      121  YSNMWYFDWVGEGLTVTVSSASTKGPVFPPLAPSSKSTSGGTALGCLVNDYFPEPTVS 180
      121  YSNMWYFDWVGEGLTVTVSSASTKGPVFPPLAPSSKSTSGGTALGCLVNDYFPEPTVS 180
Db      121  YSNMWYFDWVGEGLTVTVSSASTKGPVFPPLAPSSKSTSGGTALGCLVNDYFPEPTVS 180
Qy      181  WNSGALTSGVHTPPAVLQSSGLYSLSVTVVPSSSLGTQTYICNVNHPKPSNTKVDKVEP 240
      181  WNSGALTSGVHTPPAVLQSSGLYSLSVTVVPSSSLGTQTYICNVNHPKPSNTKVDKVEP 240

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Db      181  WNSGALTSGVHTPPAVLQSSGLYSLSVTVVPSSSLGTQTYICNVNHPKPSNTKVDKVEP 240
Qy      241  KSCDKHTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
      241  KSCDKHTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
Db      241  KSCDKHTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
Qy      301  YVDGVEVHNAKTKPREEQYNSTRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTIS 360
      301  YVDGVEVHNAKTKPREEQYNSTRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTIS 360
Db      301  YVDGVEVHNAKTKPREEQYNSTRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTIS 360
Qy      361  KAKGPREPOVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVWESNGQPENNYKTPPV 420
      361  KAKGPREPOVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVWESNGQPENNYKTPPV 420
Db      421  LBSDDGSEFLYSKLTVDKSRWQGNVSCSVWHEALHNHYTQKSLSLSPGK 470
      421  LBSDDGSEFLYSKLTVDKSRWQGNVSCSVWHEALHNHYTQKSLSLSPGK 470
Qy      421  LBSDDGSEFLYSKLTVDKSRWQGNVSCSVWHEALHNHYTQKSLSLSPGK 470
      421  LBSDDGSEFLYSKLTVDKSRWQGNVSCSVWHEALHNHYTQKSLSLSPGK 470

```

RESULT 12

```

US-10-216-484-157
; Sequence 157, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CJP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 157
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed
; OTHER INFORMATION: heavy chain of humanized anti-Fas antibody
US-10-216-484-157

```

Query Match 98.8%; Score 2485; DB 15; Length 470;

Best Local Similarity 98.5%; Pred. No. 3e-164;

Matches 463; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

```

Qy      1  MGNSCITLFLVATATGVHSQVQLVQSGAEVKKPGASVYSCKASGYFTSYMQMVAQAP 60
      1  MGNSCITLFLVATATGVHSQVQLVQSGAEVKKPGASVYSCKASGYFTSYMQMVAQAP 60
Db      1  MGNSCITLFLVATATGVHSQVQLVQSGAEVKKPGASVYSCKASGYFTSYMQMVAQAP 60
Qy      61  GQGLEMMGEIDPSDSTYNNQKFKGKATLTVDTSTSTAYMELSLRSEDTAVYYCANRD 120
      61  GQGLEMMGEIDPSDSTYNNQKFKGKATLTVDTSTSTAYMELSLRSEDTAVYYCANRD 120
Db      61  GQGLEMMGEIDPSDSTYNNQKFKGKATLTVDTSTSTAYMELSLRSEDTAVYYCANRD 120
Qy      121  YSNMWYFDWVGEGLTVTVSSASTKGPVFPPLAPSSKSTSGGTALGCLVNDYFPEPTVS 180
      121  YSNMWYFDWVGEGLTVTVSSASTKGPVFPPLAPSSKSTSGGTALGCLVNDYFPEPTVS 180
Db      121  YSNMWYFDWVGEGLTVTVSSASTKGPVFPPLAPSSKSTSGGTALGCLVNDYFPEPTVS 180
Qy      181  WNSGALTSGVHTPPAVLQSSGLYSLSVTVVPSSSLGTQTYICNVNHPKPSNTKVDKVEP 240
      181  WNSGALTSGVHTPPAVLQSSGLYSLSVTVVPSSSLGTQTYICNVNHPKPSNTKVDKVEP 240
Db      181  WNSGALTSGVHTPPAVLQSSGLYSLSVTVVPSSSLGTQTYICNVNHPKPSNTKVDKVEP 240
Qy      241  KSCDKHTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
      241  KSCDKHTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
Db      241  KSCDKHTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
Qy      301  YVDGVEVHNAKTKPREEQYNSTRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTIS 360
      301  YVDGVEVHNAKTKPREEQYNSTRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTIS 360

```

Db 301 YVDGVEVHNAKTPRREQVNSTYTRVSVLTVLHODMNGKRYCKVSNKALPAPIEKTIS 360
Qy 361 KAKGQPREPOVYTLPPSRREMTKQVSLTCLVKGFPYSDIAVEMESNGQENNYKTTTPV 420
Db 361 KAKGQPREPOVYTLPPSRREMTKQVSLTCLVKGFPYSDIAVEMESNGQENNYKTTTPV 420
Qy 421 LNSDGSFPLYSKLTVDKSRWQGNVPSCSVMHEALHNHYTKSLSPGK 470
Db 421 LNSDGSFPLYSKLTVDKSRWQGNVPSCSVMHEALHNHYTKSLSPGK 470

RESULT 13

US-09-825-012-46
; Sequence 46, Application US/09825012
; Patent No. US20020122798A1
; GENERAL INFORMATION:
; APPLICANT: Young, Robert
; TITLE OF INVENTION: Compounds for Targeting
; FILE REFERENCE: 43191-256808
; CURRENT APPLICATION NUMBER: US/09/825,012
; PRIOR FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: US 60/237,159
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: GB 0008049.9
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 46
; LENGTH: 731
; TYPE: PR
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Humanised Hmfg1 heavy chain - DNasee I fusion
US-09-825-012-46

Query Match 92.7%; Score 2330.5; DB 10; Length 731;

Best Local Similarity 92.3%; Pred. No. 2.6e-153; Indels 3; Gaps 1;
Matches 434; Conservative 21; Mismatches 12;

Qy 1 MGMSCTLLFLVATATGVHSGVQLVQSGAEVKKPGASVKYSCKAAGYFTSYMMQWVKQAP 60
Db 1 MGMSCTLLFLVATATGVHSGVQLVQSGAEVKKPGASVKYSCKAAGYFTSYMMQWVKQAP 60
Qy 61 GQRLMNGEIDPSDSTNTNOKRKAKTLTVDTASATYAMELSLRSEDAVYVCARND 120
Db 61 GQRLMNGEIDPSDSTNTNOKRKAKTLTVDTASATYAMELSLRSEDAVYVCARND 120
Qy 121 YSNMWYFDVWGEGLTVVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVNDYPEPTVS 180
Db 121 YSNMWYFDVWGEGLTVVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVNDYPEPTVS 180
Qy 181 MNSGALTSVHTPRPAVLQSSGLYSLSSVTVPSSSLGTQYICNVNKPSTNKKVEP 240
Db 181 MNSGALTSVHTPRPAVLQSSGLYSLSSVTVPSSSLGTQYICNVNKPSTNKKVEP 240
Qy 178 MNSGALTSVHTPRPAVLQSSGLYSLSSVTVPSSSLGTQYICNVNKPSTNKKVEP 237
Db 178 MNSGALTSVHTPRPAVLQSSGLYSLSSVTVPSSSLGTQYICNVNKPSTNKKVEP 237
Qy 241 KSCDKHTPCPCAPRLGSPSVFLPPPKDITLMISRTPEVTCVVVDVSHEDPEVKFNW 300
Db 241 KSCDKHTPCPCAPRLGSPSVFLPPPKDITLMISRTPEVTCVVVDVSHEDPEVKFNW 300
Qy 238 KSCDKHTPCPCAPRLGSPSVFLPPPKDITLMISRTPEVTCVVVDVSHEDPEVKFNW 297
Db 238 KSCDKHTPCPCAPRLGSPSVFLPPPKDITLMISRTPEVTCVVVDVSHEDPEVKFNW 297
Qy 301 YVDGVEVHNAKTPRREQVNSTYTRVSVLTVLHODMNGKRYCKVSNKALPAPIEKTIS 360
Db 301 YVDGVEVHNAKTPRREQVNSTYTRVSVLTVLHODMNGKRYCKVSNKALPAPIEKTIS 360
Qy 361 KAKGQPREPOVYTLPPSRREMTKQVSLTCLVKGFPYSDIAVEMESNGQENNYKTTTPV 420
Db 361 KAKGQPREPOVYTLPPSRREMTKQVSLTCLVKGFPYSDIAVEMESNGQENNYKTTTPV 420
Qy 421 LNSDGSFPLYSKLTVDKSRWQGNVPSCSVMHEALHNHYTKSLSPGK 470
Db 421 LNSDGSFPLYSKLTVDKSRWQGNVPSCSVMHEALHNHYTKSLSPGK 470

RESULT 14

US-09-825-012-55
; Sequence 55, Application US/09825012
; Patent No. US20020122798A1
; GENERAL INFORMATION:
; APPLICANT: Young, Robert
; TITLE OF INVENTION: Compounds for Targeting
; FILE REFERENCE: 43191-256808
; CURRENT APPLICATION NUMBER: US/09/825,012
; PRIOR FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: US 60/237,159
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: GB 0008049.9
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 55
; LENGTH: 741
; TYPE: PR
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Humanised Hmfg1 heavy chain - DNasee I fusion
US-09-825-012-55

Query Match 92.7%; Score 2330.5; DB 10; Length 741;

Best Local Similarity 92.3%; Pred. No. 2.6e-153; Indels 3; Gaps 1;
Matches 434; Conservative 21; Mismatches 12;

Qy 1 MGMSCTLLFLVATATGVHSGVQLVQSGAEVKKPGASVKYSCKAAGYFTSYMMQWVKQAP 60
Db 1 MGMSCTLLFLVATATGVHSGVQLVQSGAEVKKPGASVKYSCKAAGYFTSYMMQWVKQAP 60
Qy 61 GQRLMNGEIDPSDSTNTNOKRKAKTLTVDTASATYAMELSLRSEDAVYVCARND 120
Db 61 GQRLMNGEIDPSDSTNTNOKRKAKTLTVDTASATYAMELSLRSEDAVYVCARND 120
Qy 121 YSNMWYFDVWGEGLTVVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVNDYPEPTVS 180
Db 121 YSNMWYFDVWGEGLTVVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVNDYPEPTVS 180
Qy 181 MNSGALTSVHTPRPAVLQSSGLYSLSSVTVPSSSLGTQYICNVNKPSTNKKVEP 240
Db 181 MNSGALTSVHTPRPAVLQSSGLYSLSSVTVPSSSLGTQYICNVNKPSTNKKVEP 240
Qy 178 MNSGALTSVHTPRPAVLQSSGLYSLSSVTVPSSSLGTQYICNVNKPSTNKKVEP 237
Db 178 MNSGALTSVHTPRPAVLQSSGLYSLSSVTVPSSSLGTQYICNVNKPSTNKKVEP 237
Qy 241 KSCDKHTPCPCAPRLGSPSVFLPPPKDITLMISRTPEVTCVVVDVSHEDPEVKFNW 300
Db 241 KSCDKHTPCPCAPRLGSPSVFLPPPKDITLMISRTPEVTCVVVDVSHEDPEVKFNW 300
Qy 238 KSCDKHTPCPCAPRLGSPSVFLPPPKDITLMISRTPEVTCVVVDVSHEDPEVKFNW 297
Db 238 KSCDKHTPCPCAPRLGSPSVFLPPPKDITLMISRTPEVTCVVVDVSHEDPEVKFNW 297
Qy 301 YVDGVEVHNAKTPRREQVNSTYTRVSVLTVLHODMNGKRYCKVSNKALPAPIEKTIS 360
Db 301 YVDGVEVHNAKTPRREQVNSTYTRVSVLTVLHODMNGKRYCKVSNKALPAPIEKTIS 360
Qy 361 KAKGQPREPOVYTLPPSRREMTKQVSLTCLVKGFPYSDIAVEMESNGQENNYKTTTPV 420
Db 361 KAKGQPREPOVYTLPPSRREMTKQVSLTCLVKGFPYSDIAVEMESNGQENNYKTTTPV 420
Qy 421 LNSDGSFPLYSKLTVDKSRWQGNVPSCSVMHEALHNHYTKSLSPGK 470
Db 421 LNSDGSFPLYSKLTVDKSRWQGNVPSCSVMHEALHNHYTKSLSPGK 470

RESULT 15

US-09-825-012-52
; Sequence 52, Application US/09825012
; Patent No. US20020122798A1
; GENERAL INFORMATION:
; APPLICANT: Young, Robert
; TITLE OF INVENTION: Compounds for Targeting
; FILE REFERENCE: 43191-256808
; CURRENT APPLICATION NUMBER: US/09/825,012
; PRIOR FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: US 60/237,159

; PRIOR APPLICATION NUMBER: GB 0008049.9
 ; PRIOR FILING DATE: 2000-04-03
 ; NUMBER OF SEQ ID NOS: 102
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 52
 ; LENGTH: 729
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Humanised HMFGL heavy chain - Dnae I fusion
 US-09-825-012-52

Query Match 92.5%; Score 2325.5; DB 10; Length 729;
 Best Local Similarity 92.3%; Pred. No. 5.7e-153;
 Matches 433; Conservative 21; Mismatches 12; Indels 3; Gaps 1;

QY	1	MGWSCIILFLVATATGCVHSONVLOVSGAIVKKKPGASVKKSCKASGTYTTSYMMQWKOAP	60
DB	1	MGWSCIILFLVATATGCVHSONVLOVSGAIVKKKPGASVKKSCKASGTYTTSYMMQWKOAP	60
QY	61	GORLEMMGEIDPSDSTYTNOKFKGKATLTVDTASTAYMELSLRSEDTAVYYCARND	120
DB	61	GKGLMVGSEILGSSNNRNNEKRGVTVTRDTSTNTATWELSLRSEDTAVYYCARND	120
QY	121	YSNNMYPDVWGEHGTLYTVSSASTKGPVPLAPSSKSTGGTALGCLYKDYFPEPVTVS	180
DB	121	FA---WPAWMOGTLVTVSSASTKGPVPLAPSSKSTGGTALGCLYKDYFPEPVTVS	177
QY	181	MNSGALTSQVHTFPAPVLOSSGLYSLSVYTVPESSLGQTQYICNVNHPKSNTEKVDKREP	240
DB	178	MNSGALTSQVHTFPAPVLOSSGLYSLSVYTVPESSLGQTQYICNVNHPKSNTEKVDKREP	237
QY	241	KSCDKHTCCPCPAPBELLGSPVFLPPPKDITLMSRTPEVTCVVVDVSHEDPEVKFNW	300
DB	238	KSCDKHTCCPCPAPBELLGSPVFLPPPKDITLMSRTPEVTCVVVDVSHEDPEVKFNW	297
QY	301	YVDGVEVHNATKTPREBOYNSTYRVSVLTVLHODWLNKERYCKVSNKALPAPIEKTIS	360
DB	298	YVDGVEVHNATKTPREBOYNSTYRVSVLTVLHODWLNKERYCKVSNKALPAPIEKTIS	357
QY	361	KAKGQPREPVYTLPPSREEMTKNQVSLTCLVKGFPSDIAVEWESNGQPENNYKTTTPV	420
DB	358	KAKGQPREPVYTLPPSREEMTKNQVSLTCLVKGFPSDIAVEWESNGQPENNYKTTTPV	417
QY	421	LDSDGSPFLYSKLTVDKSRWQGNVFCSCVMHREALNHYTOKSLSLSPG	469
DB	418	LDSDGSPFLYSKLTVDKSRWQGNVFCSCVMHREALNHYTOKSLSLSPG	466

Search completed: February 20, 2004, 14:25:32
 Job time : 36.6422 secs

Mon Feb 23 07:54:31 2004

US-09-499-662-107.ral

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: February 20, 2004, 13:23:52 ; Search time 7.89311 Seconds
(without alignments)
1275.794 Million cell updates/sec

Title: US-09-499-662-107

Perfect score: 1242
Sequence: 1 MERTDITLLMVLWLVGSGTGT.....EVTNOCGLSPVTKSFRNRGEC 238

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/prodata/1/1aa/5A.COMB.pep:*
2: /cgn2_6/prodata/1/1aa/5B.COMB.pep:*
3: /cgn2_6/prodata/1/1aa/5A.COMB.pep:*
4: /cgn2_6/prodata/1/1aa/5B.COMB.pep:*
5: /cgn2_6/prodata/1/1aa/PCITUS.COMB.pep:*
6: /cgn2_6/prodata/1/1aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1050	84.5	218	5	PCT-US96-13152-2
2	1038	83.6	240	4	US-09-301-593-36
3	1036	83.4	218	2	US-08-887-352B-13
4	1036	83.4	218	3	US-08-466-151-9
5	1036	83.4	218	3	US-09-109-207C-13
6	1036	83.4	218	3	US-09-296-005-13
7	1036	83.4	218	4	US-08-466-163B-9
8	1036	81.6	218	4	US-09-282-505-1
9	1033	81.6	218	3	US-09-054-255-1
10	1033	81.6	218	4	US-09-282-846-1
11	1033	81.6	218	4	US-09-680-145-1
12	1010	81.3	218	2	US-08-887-352B-15
13	1010	81.3	218	2	US-08-887-352B-17
14	1010	81.3	218	2	US-08-887-352B-19
15	1010	81.3	218	2	US-08-887-352B-24
16	1010	81.3	218	3	US-09-109-207C-15
17	1010	81.3	218	3	US-09-109-207C-17
18	1010	81.3	218	3	US-09-109-207C-19
19	1010	81.3	218	3	US-09-109-207C-24
20	1010	81.3	218	3	US-09-296-005-15
21	1010	81.3	218	3	US-09-296-005-17
22	1010	81.3	218	3	US-09-296-005-19
23	1010	81.3	218	3	US-09-296-005-24
24	979.5	78.9	241	2	US-07-916-098A-56
25	976.5	78.6	239	3	US-08-487-550-6
26	976.5	78.6	239	4	US-09-526-098-6
27	976	78.6	234	3	US-09-049-672A-6

28	976	78.6	234	4	US-09-740-002-24	Sequence 24, Appl
29	966.5	77.8	235	1	US-08-276-852-153	Sequence 153, App
30	966.5	77.8	235	1	US-08-899-575-153	Sequence 153, App
31	966.5	77.8	235	1	US-08-899-575-153	Sequence 153, App
32	966.5	77.8	235	2	PCT-US95-08743-13	Sequence 153, App
33	958.5	77.2	233	3	US-07-934-373C-25	Sequence 25, Appl
34	958.5	77.2	233	3	US-08-437-642B-25	Sequence 25, Appl
35	958.5	77.2	233	4	US-08-146-206C-25	Sequence 25, Appl
36	958.5	77.2	233	5	PCT-US93-07832-25	Sequence 25, Appl
37	957.5	77.1	235	3	US-09-171-945-97	Sequence 97, Appl
38	956.5	77.0	214	2	US-08-480-783-6	Sequence 6, Appl
39	956.5	77.0	214	2	US-09-041-889-11	Sequence 11, Appl
40	956.5	77.0	214	3	US-08-837-058-11	Sequence 11, Appl
41	956.5	77.0	214	3	US-09-417-264-11	Sequence 11, Appl
42	955	76.9	214	2	US-07-934-373C-39	Sequence 39, Appl
43	955	76.9	214	4	US-08-437-642B-39	Sequence 39, Appl
44	955	76.9	214	5	PCT-US93-07832-39	Sequence 39, Appl
45	955	76.9	236	1	US-08-157-101A-5	Sequence 5, Appl

ALIGNMENTS

RESULT 1
PCT-US96-13152-2
Sequence 2, Application PC/TUS9613152
GENERAL INFORMATION:
APPLICANT: Martin, Ulrich, et al.
TITLE OF INVENTION: Anti-selectin antibodies for prevention of multiple organ fail
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Felte & Lynch
ADDRESSEE: Attn: Norman D. Hanson
STREET: 805 Third Avenue
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Computer Disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/13152
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/578,953
FILING DATE: 27-Dec-95
APPLICATION NUMBER: EP 95 112 895.8
FILING DATE: 17-Aug-95
APPLICATION NUMBER: EP 95 114 969.9
FILING DATE: 19-Sep-95
ATTORNEY/AGENT INFORMATION:
NAME: Norman D. Hanson
REGISTRATION NUMBER: 30,946
REFERENCE/DOCKET NUMBER: BOER 1059-PCT-PF/NDH
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 688-3884
TELEFAX: (212) 838-3884
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 218
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US96-13152-2
Query Match 84.5%; Score 1050; DB 5; Length 218;
Best Local Similarity 91.3%; Pred. No. 3.1e-81; Indels 0; Gaps 0;
Matches 199; Conservative 10; Mismatches 9;

QY 2 EIVLTQSPGRLSLISPEERPTLTISCKAQSDVDYGDSDYMMWYQOKPEQAPRLITYAASNTLS 80
Db 1 DIQHTQSPSSLSASVDGRVYITTCASQSDVDYGDSDYMMWYQOKPEKAPRLITYAASNTLS 60
QY 81 GIPDRFSGSGSGTDFTLTISRLEPEDFAVYYCCQGSNEBPRFTFGQGTKYLEIKRTVAAPSVF 140
Db 61 GISRRFSGSGSGTDFTLTISRLEPEDFAVYYCCQGSNEBPRFTFGQGTKYLEIKRTVAAPSVF 120
QY 141 IFFPSDDELKSGTASVYCLINNFYPREAKVQKRDNALQSGNSQSDSYTEKDSKSTYSLS 200
Db 121 IFFPSDEQLKSGTASVYCLINNFYPREAKVQKRDNALQSGNSQSDSYTEKDSKSTYSLS 180
QY 201 STLTLKADYEKHKVYACEVTHQGLSSPTYSFNNGEC 238
Db 181 STLTLKADYEKHKVYACEVTHQGLSSPTYSFNNGEC 218

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RESULT 2
US-09-301-593--36
Sequence 36, Application US/09301593A
Patent No. 6455677
GENERAL INFORMATION:
APPLICANT: Park, John E.
APPLICANT: Garin-Cheesa, Pilar
APPLICANT: Bamberger, Uwe
APPLICANT: Leger, Olivier
APPLICANT: Saldanha, Jose W.
APPLICANT: Rettig, Wolfgang J.
TITLE OF INVENTION: PAP-specific Antibody with Improved Productibility
FILE REFERENCE: 0652.1890001
CURRENT APPLICATION NUMBER: US/09/301,593A
CURRENT FILING DATE: 1999-04-29
EARLIER APPLICATION NUMBER: EP 98107925.4
EARLIER FILING DATE: 1998-04-30
EARLIER APPLICATION NUMBER: US 60/086,049
EARLIER FILING DATE: 1998-05-18
NUMBER OF SEQ ID NOS: 108
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 36
LENGTH: 240
TYPE: PRT
ORGANISM: Homo sapiens
US-09-301-593--36

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	Query Match	83.6%	Score 1038	DB 4	Length 240;
	Near Local Similarity	83.3%	Pred. No. 3.6e-80;		
	Matches 200; Conservative	19;	Mismatches 19;	Indels 2;	Gaps 1.
QY	1	MEITDILLMVLTLVWPGSTGBEIVLTQSPEGLSLSPGERATLSCAKAGVDYDG--SYNM	58		
	: : : :				
Db	1	MEITDILLMVLTLVWPGSSGDIVMQSDSLAVSGERATINCKSSGILLSRNOKNYIA	60		
	: : : :				
QY	59	MYOQKPGAPELLIYAASNLSEGPDRPSGSSGNDFTLLTSLREPEFAVYYCQGSMD	118		
	: : : :				
Db	61	MYOQKPGAPELLIFMASTRSGVDNRSGSFGDFLTLLTSSLAEVAAYYCQGYTSY	120		
	: : : :				
QY	119	PRTFGGGTKEIKRTVAAPSVFIPEPDSBOLKSGTAAVCLINNPPREPAQWKVDNAL	178		
	: : : :				
Db	121	PLTFGGGTKEIKRTVAAPSVFIPEPDSBOLKSGTAAVCLINNNPREAQQWKVDNAL	180		
	: : : :				
QY	179	QSGNSQSBVTRODSRDTYSLSSTITLTKADYEKKRYACETVHGLSPPTKSNNREEC	238		
	: : : :				
Db	181	QSGNSQSBVTRODSRDTYSLSSTITLTKADEKKRYACEVTHGLSPPTKSNNREEC	240		

RESULT 3
 US-08-887-352B-13
 ; Sequence 13, Application US/08887352B
 ; Patent No. 5994511
 ; GENERAL INFORMATION:
 ; APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
 ; TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of

1 TITLE OF INVENTION: Improving Polypeptides
2 NUMBER OF SEQUENCES: 26
3 CORRESPONDENCE ADDRESS:
4 ADDRESSEE: Genentech, Inc.
5 STREET: 1 DNA Way
6 CITY: South San Francisco
7 STATE: California
8 COUNTRY: USA
9 ZIP: 94080
10
11 COMPUTER READABLE FORM:
12 MEDIUM TYPE: 3.5 inch, 1.44 MB floppy disk
13 COMPUTER: IBM PC compatible
14 OPERATING SYSTEM: PC-DOS/MS-DOS
15 SOFTWARE: Winpactin (Genentech)
16 CURRENT APPLICATION DATA:
17 APPLICATION NUMBER: US/08/887,352B
18 FILING DATE: 03-Jul-1997
19
20 CLASSIFICATION: 530
21
22 ATTORNEY/AGENT INFORMATION:
23 NAME: Svoboda, Craig G.
24 REGISTRATION NUMBER: 39,044
25 REFERENCE/DOCKET NUMBER: P1123
26
27 TELECOMMUNICATION INFORMATION:
28 TELEPHONE: 650/225-1489
29 TELEFAX: 650/952-9881
30
31 INFORMATION FOR SEQ ID NO: 13:
32 SEQUENCE CHARACTERISTICS:
33 LENGTH: 218 amino acids
34 TYPE: Amino Acid
35 TOPOLOGY: Linear
36
37 US-08-887-352B-13

	Query Match	Best Local Similarity	89.4%;	Score 1036;	DB 2;	Length 218;
	Matches	Conservative	196;	12;	Mismatches 10;	Indels 0; Gaps 0;
Cy	21	EIVLTQSPGTLISLSPGERATLSCAASQSYVDYDGSYNNMWYQOKKQCAPRLIIYAASILES	80			
Db	1	DIQLTQSPSSISASVGRVITICRAASQSYVDYDGSYNNMWYQOKKQKAPKLIIYAASYLES	60			
Cy	81	GIPIRFGSGSGGCDFTLTISRLEPEDPAVVYCCQSNEDPRFPGGTGLKIKRTVAAPSVF	140			
Db	61	GVPRFPGSGSGGDPFILTISLQPEDPAIYYCCQSHEDPTTFGGTIVKIKRTVAAPSVF	120			
Cy	141	IFPSPDQLKSGTASVCLLNFFYPREAKYQWKMDNALQSGNSQESVTEQDSKDSITYSL	200			
Db	121	IFPSPDQLKSGTASVCLLNFFYPREAKYQWKMDNALQSGNSQESVTEQDSKDSITYSL	180			
Cy	201	STLTLSKADYEKHAVYACEVTHQGLSPVYKSPFRGEC	238			
Db	181	STLTLSKADYEKHAVYACEVTHQGLSPVYKSPFRGEC	218			

RESULT 4
 US-08-466-151-9
 ; Sequence 9, Application US/08466151
 ; Patent No. 6037453
 ; GENERAL INFORMATION:
 ; APPLICANT: Jardieu, Paula M.
 ; APPLICANT: Prestea, Leonard G.
 ; TITLE OF INVENTION: Immunoglobulin Variants
 ; NUMBER OF SEQUENCES: 65
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: GeneTech, Inc.
 ; STREET: 1 DNA Way
 ; CITY: South San Francisco
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94080
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS


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; SEQ ID NO 13
;
; LENGTH: 218
;
; TYPE: PRT
;
; ORGANISM: Artificial
;
; FEATURE:
;
; NAME/KEY: Artificial
;

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```

Qy      21 EIVLTOSPCTLSTSPGEBRATLSTCKASQSDYDDBDSTWMNYQOKRGQAPRLITYAASLTS 80
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      1 DILDTSPSPSLSSVGBRVRTITTCRAQSDYDDBDSTWMNYQOKRGQAPRLITYAASLTS 60
Qy      81 GIDRPSGSGSGTDFLTLLTSLRPEDFVAVYCCQSNEDPRTFCQGTLEIKRTVAAPSVF 140
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      61 GVPSSRRSGSGSGTDFLTLLTSLRQBPDPATYYCCQSHEDPRTFCQGTKEVLEIKRTVAAPSVF 120
Qy      141 IFFPSDEQLKSGTASVVCILINIFYPREAKYQMKVDNALSGNSQESVTTBEDSDSTYSLS 200
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      121 IFFPSDEQLKSGTASVVCILINIFYPREAKYQMKVDNALSGNSQESVTTBEDSDSTYSLS 180
Qy      201 STLTLSKADYEKHKVYACEVTHQGLSPVTKSPFNGEC 238
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      181 STLTLSKADYEKHKVYACEVTHQGLSPVTKSPFNGEC 218

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RESULT 7
US-08-466-163B-9
; Sequence 9, Application US/08466163B
; Patent No. 6329509

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: GENERAL INFORMATION:
: APPLICANT: Jardieu, Paula M.
: APPLICANT: Presta, Leonard G.
: TITLE OF INVENTION: Immunoglobulin Variants
: FILE REFERENCE: P0718P2C1D1
: CURRENT APPLICATION NUMBER: US/08/466,163B
: CURRENT FILING DATE: 1995-06-06
: PRIOR APPLICATION NUMBER: US 08/405,617
: PRIOR FILING DATE: 1995-03-15
: PRIOR APPLICATION NUMBER: US 08/185,899
: PRIOR FILING DATE: 1994-01-26
: PRIOR APPLICATION NUMBER: US 07/879,495
: PRIOR FILING DATE: 1992-05-07
: PRIOR APPLICATION NUMBER: US 07/744,768
: PRIOR FILING DATE: 1991-08-14
: NUMBER OF SEQ ID NOS: 64
: SEQ ID NO 9
: LENGTH: 218
: TYPE: PRP
: ORGANISM: Artificial sequence
: FEATURE:
: OTHER INFORMATION: humanized mael, version 1, light chain
: US-08-466-163B-9

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Query Match	83.4%;	Score 1036;	DB 4;	Length 218;
Best Local Similarity	89.9%;	Pred. No. 4.8e-80;		
Matches 196; Conservative	12;	Mismatches 10;	Indels 0;	Gaps 0

[illegible]

```

RESULT 8
US-09-282-505-1
; Sequence 1, Application US/09282505A
; Patent No. 6194551
; GENERAL INFORMATION:
; APPLICANT: Esocore Ekinadese Idusogie et al.
; TITLE OF INVENTION: Polypeptide Variants
; FILE REFERENCE: P1266R1
; CURRENT APPLICATION NUMBER: US/09/282,505A
; CURRENT FILING DATE: 1999-03-31
; NUMBER OF SEQ ID NOS: 2
; SEQ ID NO 1
; LENGTH: 218
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: Artificial Sequence
; LOCATION: 1-218
; OTHER INFORMATION: Sequence is completely synthesized
; Patent No. 6194551
; US-09-282-505-1

```

Query Match	81.6%	Score 1013	DB 3	Length 218
Best Local Similarity	88.1%	Pred. No. 4.1e-78		
Matches 192; Conservative	14	Mismatches 12	Indels 0	Gaps 0

```

09      21 BIVLTSPGTLSPGERATLSCASQSDVYDGDSYMMWYQQKPGAPRLIIYAASNLES   800
    * : |||||.:|||:||:::||:|||||:|||||:|||||:|||||:|||||:|||||:

```

```

Db      1 DIGLTGSPSLASVGDRTITTCRAKSKPVDEGSGSYMMVQGRKGKAPHLITVAASYLES 60
Qy      81 GIDPRFGSGSGGTDFTLTITSLRPEDFAVYTCQOSNEDPRTFGQGTKEIKRTYAASVF 140
Db      61 GVPSPRFGSGSGGTDFTLTITSLRPEDFAVYTCQOSHEDPRTFGQGTKEIKRTVAASVF 120
Qy      141 IFFPSDEQLKSGTASVVCILNNFYPREAKVQMKDNLQOSNQSSESTEDSKDSTYSLS 200
Db      121 IFFPSDEQLKSGTASVVCILNNFYPREAKVQMKDNLQOSNQSSESTEDSKDSTYSLS 180
Qy      201 STLTLKADYEKHKVYACEVTHQGLSSPPTKSPFNNGEC 238
Db      181 STLTLKADYEKHKVYACEVTHQGLSSPPTKSPFNNGEC 218

```

```

RESULT 9
US-09-054-255-1
; Sequence 1, Application US/09054255
; Patent No. 6242195
; GENERAL INFORMATION:
; APPLICANT: Esome Kinadueee Idueogie et al.
; TITLE OF INVENTION: Polypeptide Variants
; FILE REFERENCE: P1266
; CURRENT APPLICATION NUMBER: US/09/054.255
; CURRENT FILING DATE: 1998-04-02
; NUMBER OF SEQ ID NOS: 2
; SEQ. ID NO. 1
; LENGTH: 218
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: E27 anti-IGF antibody light chain
US-09-054-255-1

```

Query Match	81.6%;	Score 1013;	DB 3;	Length 218;
Best Local Similarity	88.1%;	Pred. No. 4.1e-78;		
Matches 192; Conservative	14;	Mismatches 12;	Indels 0;	Gaps 0

```
QY 21 EIVLTQSPGTLSTISPEERATLSCTKASQSYVDVDGDSYMMWYQQRGKAPELLITVAASLTLS 80
Db 1 DIQQLTQSPSSLSASVDRTVITTCIRASKAPVDGSDSYMMWYQQRGKAPELLITVAASLTLS 60
QY 81 GIPDFSGSSGSGDFTLTSLRLEPDPFAVYVCOQSNEDPRTFGQGTKEIKRTVAASVVF 140
Db 61 GVSRRRSGSGSGDFTLTSLRLEPDPFAVYVCOQSHEDPRTFGGTKEIKRTVAASVVF 120
QY 141 IFPPSDQQLKSGTASVYVCLNNFYPREAKVQMKVDNALQSNQDSVTEQDSKDSITYSLT 200
Db 121 IFPPSDQQLKSGTASVYVCLNNFYPREAKVQMKVDNALQSNQDSVTEQDSKDSITYSLT 180
QY 201 STLTSLKADYDEKRRKYACAEVTHQGLSSPPTYSFNRGEC 238
Db 181 STLTSLKADYDEKRRKYACAEVTHQGLSSPPTYSFNRGEC 218
```

```

10 RESULT 10
11 US-09-282-846-1
12 Sequence 1, Application US/09282846
13 Patent No. 6528624
14 GENERAL INFORMATION:
15 APPLICANT: Eschre Khandese Idiasogie et al
16 TITLE OF INVENTION: Polypeptide Variants
17 FILE REFERENCE: P1266R2
18 CURRENT APPLICATION NUMBER: US/09/283,846
19 CURRENT FILING DATE: 1999-03-31
20 NUMBER OF SEQ ID NOS: 2
21 SEQ ID NO 1
22 LENGTH: 218
23 TYPE: PRT
24 ORGANISM: Artificial Sequence
25 FEATURES:
26 NAME/KEY: Artificial Sequence
27 LOCATION: 1-218

```

OTHER INFORMATION: Sequence is completely synthesized
; Patent No. 6528624
US-09-282-846-1

Query Match 81.6%; Score 1013; DB 4; Length 218;
Best Local Similarity 88.1%; Pred. No. 4,1e-78;
Matches 192; Conservative 14; Mismatches 12; Indels 0; Gaps 0;

QY 21 EIVLTGSGTSLSPGERATLSCASQSDVDGDSYMMWYQKPGAPRLIYAASNLES 80
DB 1 DIQLTGSPSSLSASVGRVITTCRAKRPVDEGDSYMMWYQKPGAPRLIYAASNLES 60
QY 81 GIPDRFSGSGGTDFTLTISLSEPEDPAVYCCQSNEDPRTFGGCTKLEIKRTVAAPSVF 140
DB 61 GVPSRFSGSGGTFTLTISLSEPEDPAVYCCQSNEDPRTFGGCTKLEIKRTVAAPSVF 120
QY 141 IFPPSDQLKSGTASVVCCLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKSTYSL 200
DB 121 IFPPSDQLKSGTASVVCCLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKSTYSL 180
QY 201 STLTLSKADYEKHKVYACEVTHQGLSPVYTSFNRGEC 238
DB 181 STLTLSKADYEKHKVYACEVTHQGLSPVYTSFNRGEC 218

RESULT 11
US-09-680-145-1
; Sequence 1, Application US/09680145

; Patent No. 6538124
; GENERAL INFORMATION:
; APPLICANT: Eschoe Ekinaduse Idusogie et al.
; TITLE OF INVENTION: Polypeptide Variants
; FILE REFERENCE: P1266R1
; CURRENT APPLICATION NUMBER: US/09/680,145
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 09/282,505
; NUMBER OF SEQ ID NOS: 2
; SEQ ID NO 1
; LENGTH: 218
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: Artificial Sequence
; LOCATION: 1-218
; OTHER INFORMATION: Sequence is completely synthesized
; Patent No. 6538124
US-09-680-145-1

Query Match 81.6%; Score 1013; DB 4; Length 218;
Best Local Similarity 88.1%; Pred. No. 4,1e-78;
Matches 192; Conservative 14; Mismatches 12; Indels 0; Gaps 0;

QY 21 EIVLTGSGTSLSPGERATLSCASQSDVDGDSYMMWYQKPGAPRLIYAASNLES 80
DB 1 DIQLTGSPSSLSASVGRVITTCRAKRPVDEGDSYMMWYQKPGAPRLIYAASNLES 60
QY 81 GIPDRFSGSGGTDFTLTISLSEPEDPAVYCCQSNEDPRTFGGCTKLEIKRTVAAPSVF 140
DB 61 GVPSRFSGSGGTFTLTISLSEPEDPAVYCCQSNEDPRTFGGCTKLEIKRTVAAPSVF 120
QY 141 IFPPSDQLKSGTASVVCCLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKSTYSL 200
DB 121 IFPPSDQLKSGTASVVCCLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKSTYSL 180
QY 201 STLTLSKADYEKHKVYACEVTHQGLSPVYTSFNRGEC 238
DB 181 STLTLSKADYEKHKVYACEVTHQGLSPVYTSFNRGEC 218

RESULT 12
US-08-887-352B-15
; Sequence 15, Application US/08887352B

Patent No. 5994511
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
TITLE OF INVENTION: Improved Anti-198 Antibodies and Method of
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997

CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear

US-08-887-352B-15

Query Match 81.3%; Score 1010; DB 2; Length 218;
Best Local Similarity 87.6%; Pred. No. 7,4e-78;
Matches 191; Conservative 15; Mismatches 12; Indels 0; Gaps 0;

QY 21 EIVLTGSGTSLSPGERATLSCASQSDVDGDSYMMWYQKPGAPRLIYAASNLES 80
DB 1 DIQLTGSPSSLSASVGRVITTCRAKRPVDEGDSYMMWYQKPGAPRLIYAASNLES 60
QY 81 GIPDRFSGSGGTDFTLTISLSEPEDPAVYCCQSNEDPRTFGGCTKLEIKRTVAAPSVF 140
DB 61 GVPSRFSGSGGTFTLTISLSEPEDPAVYCCQSNEDPRTFGGCTKLEIKRTVAAPSVF 120
QY 141 IFPPSDQLKSGTASVVCCLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKSTYSL 200
DB 121 IFPPSDQLKSGTASVVCCLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKSTYSL 180
QY 201 STLTLSKADYEKHKVYACEVTHQGLSPVYTSFNRGEC 238
DB 181 STLTLSKADYEKHKVYACEVTHQGLSPVYTSFNRGEC 218

RESULT 13
US-08-887-352B-17
; Sequence 17, Application US/08887352B
; Patent No. 5994511

GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
TITLE OF INVENTION: Improved Anti-198 Antibodies and Method of
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

```

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39, 044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-17

Query Match      81.3%; Score 1010; DB 2; Length 218;
Beet Local Similarity 87.6%; Pred. No. 7,4e-78;
Matches 191; Conservative 15; Mismatches 12; Indels 0; Gaps 0;

QY      21 EIVLTQSPTSLISPERATLSCASQSVDDYSTNNTVQKRPQAPELLITYAASVLES 80
DB      1 DIQLTQSPESLSASVDRAVTITCRASKPVDGEDPSYLNMTWQKRGKAPKLIIYAASVLES 60
QY      81 GIPEDRSGSGSGTDFTLTISRLEPEDFAVVYYCOOSNEDPRTPFGGTLRIKTVAAPSVF 140
DB      61 GPSRPSGSGSGGDFTLTSSLOPEDPATYYCOOSHEDPTTFGGTVNELKRTVAAPSVF 120
QY      141 IEPSPDOLKSGTAVVCLTNFYPPEAKYQWKVNALQSGNSGESYTEODSKDYSTLS 200
DB      121 IEPSPDOLKSGTAVVCLTNFYPPEAKYQWKVNALQSGNSGESYTEODSKDYSTLS 180
QY      201 STLTLSKADYEKKHVAACEVTHOGLSGSPVTKSFNRGEC 238
DB      181 STLTLSKADYEKKHVAACEVTHOGLSGSPVTKSFNRGEC 218

RESULT 14
US-08-887-352B-19
Sequence 19, Application US/08887352B
Patent No. 5994511
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
TITLE OF INVENTION: Improved Anti-TgE Antibodies and Method of
TITLE OF INVENTION: Improving Polypeptides
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39, 044
REFERENCE/DOCKET NUMBER: P1123
```

```

TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-19

Query Match      81.3%; Score 1010; DB 2; Length 218;
Best Local Similarity 87.6%; Pred. No. 7.4e-78;
Matches 191; Conservative 15; Mismatches 12; Indels 0; Gaps 0;

QY 21 EIVLTQSPGTLISPEERATLSCKASQSDVDYDGSYNNMMYQKQKQAPRLTIYAASNLS 80
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 1 DIQLTQSPSLASAVDRAITICRAKSPVDGSDYLLMMYQKQKAPKLLIYAASYLES 60
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 81 GIIDRRSGSGSGDFTLTITSLRLEPEDFAVYVYQSGNEDPRTFGGTKLIRKYAAPSVF 140
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 61 GVSRRIRSGSGSGDFTLTITSLQPEDFAVYVYQSGHEDPYTGQGTKEIKRYAAPSVF 120
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 141 IFPPSDQLKSGTAVYVCLINNFYPREAKVQKVDNALQSGNSQSVYEDDSKOSTYSL 200
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 121 IFPPSDQLKSGTAVYVCLINNFYPREAKVQKVDNALQSGNSQSVYEDDSKOSTYSL 180
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 201 STLTLSKADYERKAKYVACEVTHQGLSSPTKSPFNNGEC 238
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 181 STLTLSKADYERKAKYVACEVTHQGLSSPTKSPFNNGEC 218
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

RESULT 15
US-08-887-352B-24
Sequence 24, Application US/08887352B
Patent No. 5994511
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
TITLE OF INVENTION: Improved Anti-19E Antibodies and Method of
TITLE OF INVENTION: Improving Polypeptides
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESSES:
ADDRESS: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Syvoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-24

Query Match      81.3%; Score 1010; DB 2; Length 218;
Best Local Similarity 87.6%; Pred. No. 7.4e-78;
Matches 191; Conservative 15; Mismatches 12; Indels 0; Gaps 0;

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QY 21 EIVLQSPETLSLSPERATLSCKJASQVDYDGSVMNNYQOKRGPAPRLIYAAANLES 80
Db 1 DQLQSPBSSLASASGDRVLTITCRASKPVDBGBDSVLNNYQOKRGPAPRLIYAAANLES 60
QY 81 GIPDRFSGSGSGNDPFLTLISRLPEPDAVAYYCCQSNBEPRTFCQGTKLEIKRTVAAPSV 140
Db 61 GVPSPFSGSGSGDFTLTLISSLQPEDFAVYCCQSHEDPFTFCQGTKEIKRTVAAPSV 120
QY 141 IPPBDEBQKSGTASVYCLINNFYPPEARVQWRYDNALQSGNQESVTEBDSQDSTYSLS 200
Db 121 IPPBDEBQKSGTASVYCLINNFYPPEARVQWRYDNALQSGNQESVTEBDSQDSTYSLS 180
QY 201 STLTLISKADYKHKRYACAEVTHQGLSSPYTKSPNRRGEC 238
Db 181 STLTLISKADYKHKRYACAEVTHQGLSSPYTKSPNRRGEC 218

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Job time : 8.89311 secs

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OM protein - protein search, using sw model

Run on: February 20, 2004, 13:31:02 ; Search time 18.0486 Seconds
(without alignments)
2761.047 Million cell updates/sec

Title: US-09-499-662-107
Perfect score: 1242
Sequence: 1 METDTLLWVTLWVPGSTG.....EVTGGLSSPVTSFNRGEC 238

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 801455 seqs, 209382283 residues
Total number of hits satisfying chosen parameters: 801455

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications AA:*

- 1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/1/pubpaa/US09C_NEW_PUB.pep.*
- 12: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep.*
- 13: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/1/pubpaa/US10C_NEW_PUB.pep.*
- 15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
- 17: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*
- 18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1242	100.0	238	12	US-10-384-933-107 Sequence 107, App
2	1242	100.0	238	15	US-10-216-484-107 Sequence 107, App
3	1230	99.0	238	12	US-10-384-933-50 Sequence 50, App1
4	1230	99.0	238	15	US-10-216-484-50 Sequence 50, App1
5	1207	97.2	238	12	US-10-384-933-109 Sequence 109, App
6	1207	97.2	238	15	US-10-216-484-109 Sequence 109, App
7	1201	96.7	238	12	US-10-384-933-52 Sequence 52, App1
8	1201	96.7	238	15	US-10-216-484-52 Sequence 52, App1
9	1193	96.1	238	12	US-10-384-933-54 Sequence 54, App1
10	1193	96.1	238	15	US-10-216-484-54 Sequence 54, App1
11	1177	94.8	238	12	US-10-384-933-129 Sequence 129, App
12	1177	94.8	238	15	US-10-216-484-129 Sequence 129, App
13	1174	94.5	238	12	US-10-384-933-131 Sequence 131, App
14	1174	94.5	238	15	US-10-216-484-131 Sequence 131, App
15	1173	94.4	238	12	US-10-384-933-127 Sequence 127, App

16	1173	94.4	238	15	US-10-216-484-127	Sequence 127, App
17	1139	91.7	238	12	US-10-353-708-38	Sequence 38, App1
18	1139	91.7	238	15	US-10-353-708-56	Sequence 56, App1
19	1139	91.7	238	15	US-10-171-452A-38	Sequence 38, App1
20	1139	91.7	238	15	US-10-171-452A-56	Sequence 56, App1
21	1129	90.9	238	12	US-10-353-708-44	Sequence 44, App1
22	1129	90.9	238	15	US-10-353-708-50	Sequence 50, App1
23	1129	90.9	238	15	US-10-171-452A-44	Sequence 44, App1
24	1129	90.9	238	15	US-10-171-452A-50	Sequence 50, App1
25	1073.5	86.4	235	15	US-10-153-382-7	Sequence 7, App1
26	1060	85.3	236	10	US-09-859-053-34	Sequence 15, App1
27	1059	85.3	234	15	US-10-153-382-15	Sequence 15, App1
28	1056.5	85.1	233	15	US-10-153-382-11	Sequence 11, App1
29	1052	84.7	236	10	US-09-859-053-38	Sequence 38, App1
30	1050	84.5	218	9	US-09-917-410-2	Sequence 2, App1
31	1043	84.0	218	11	US-09-925-179-67	Sequence 67, App1
32	1041	83.8	218	12	US-10-449-566-98	Sequence 98, App1
33	1038.5	83.6	384	12	US-10-291-265-804	Sequence 804, App
34	1038.5	83.6	384	12	US-10-291-265-805	Sequence 805, App
35	1038.5	83.6	384	12	US-10-291-265-806	Sequence 806, App
36	1038.5	83.6	384	12	US-10-291-265-807	Sequence 807, App
37	1038	83.6	240	12	US-10-159-006-36	Sequence 36, App1
38	1036	83.4	218	9	US-09-802-077-9	Sequence 9, App1
39	1036	83.4	218	9	US-09-802-096-9	Sequence 9, App1
40	1036	83.4	218	9	US-09-920-171-13	Sequence 13, App1
41	1036	83.4	218	11	US-09-925-179-9	Sequence 9, App1
42	1036	83.4	218	12	US-10-113-996-13	Sequence 13, App1
43	1035	83.3	236	12	US-09-833-245-237	Sequence 237, App
44	1031	83.0	218	12	US-10-353-708-39	Sequence 39, App1
45	1031	83.0	218	12	US-10-353-708-57	Sequence 57, App1

ALIGNMENTS

RESULT 1
US-10-384-933-107
Sequence 107, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufuaa
APPLICANT: Hayayama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 107
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-107

Query Match 100.0%; Score 1242; DB 12; Length 238;
Best Local Similarity 100.0%; Pred. No. 3.7e-85;
Matches 238; Conservative 0; Indels 0; Gaps 0;

QY 1 METDTLLWVTLWVPGSTGTRIVLTQSPGTSLSPGERATISCKASQGVDDYGSYMWY 60
DB 1 METDTLLWVTLWVPGSTGTRIVLTQSPGTSLSPGERATISCKASQGVDDYGSYMWY 60
QY 61 QOKPGARLLTYAASNLESGIPDRFGSGGTDTTLTISRLPEPDYVYVYCCQSNENPR 120

Db 61 OOKPGQAPRLILTYAASNLSEGIIPDRFSGSGGTDFTLTISRLEPEDFAVYYCQGSNEDPR 120
QY 121 TFGGQTKLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQMKVDNALQS 180
Db 121 TFGGQTKLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQMKVDNALQS 180
QY 181 GNSQESVTEQDSKSDSTYSLSSTLTLSKADYERKHKYVACEVTHQGLSSPYTKSFNRGEC 238
Db 181 GNSQESVTEQDSKSDSTYSLSSTLTLSKADYERKHKYVACEVTHQGLSSPYTKSFNRGEC 238

RESULT 2

US-10-216-484-107
; Sequence 107, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Hattayama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 107
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-107

Query Match 100.0%; Score 1242; DB 15; Length 238;
Best Local Similarity 100.0%; Pred. No. 3.7e-85;
Matches 238; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 METDTILLVLLWVPGSTGEIVLTQSPGTTLSLSPGERATLSCAKASQSVVDYDGSYNNWY 60
Db 1 METDTILLVLLWVPGSTGEIVLTQSPGTTLSLSPGERATLSCAKASQSVVDYDGSYNNWY 60
QY 61 OOKPGQAPRLILTYAASNLSEGIIPDRFSGSGGTDFTLTISRLEPEDFAVYYCQGSNEDPR 120
Db 61 OOKPGQAPRLILTYAASNLSEGIIPDRFSGSGGTDFTLTISRLEPEDFAVYYCQGSNEDPR 120
QY 121 TFGGQTKLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQMKVDNALQS 180
Db 121 TFGGQTKLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQMKVDNALQS 180
QY 181 GNSQESVTEQDSKSDSTYSLSSTLTLSKADYERKHKYVACEVTHQGLSSPYTKSFNRGEC 238
Db 181 GNSQESVTEQDSKSDSTYSLSSTLTLSKADYERKHKYVACEVTHQGLSSPYTKSFNRGEC 238

RESULT 3

US-10-384-933-50
; Sequence 50, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Hattayama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933

; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 50
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-50

Query Match 99.0%; Score 1230; DB 12; Length 238;
Best Local Similarity 98.7%; Pred. No. 2.9e-84;
Matches 235; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 METDTILLVLLWVPGSTGEIVLTQSPGTTLSLSPGERATLSCAKASQSVVDYDGSYNNWY 60
Db 1 METDTILLVLLWVPGSTGEIVLTQSPGTTLSLSPGERATLSCAKASQSVVDYDGSYNNWY 60
QY 61 OOKPGQAPRLILTYAASNLSEGIIPDRFSGSGGTDFTLTISRLEPEDFAVYYCQGSNEDPR 120
Db 61 OOKPGQAPRLILTYAASNLSEGIIPDRFSGSGGTDFTLTISRLEPEDFAVYYCQGSNEDPR 120
QY 121 TFGGQTKLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQMKVDNALQS 180
Db 121 TFGGQTKLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQMKVDNALQS 180
QY 181 GNSQESVTEQDSKSDSTYSLSSTLTLSKADYERKHKYVACEVTHQGLSSPYTKSFNRGEC 238
Db 181 GNSQESVTEQDSKSDSTYSLSSTLTLSKADYERKHKYVACEVTHQGLSSPYTKSFNRGEC 238

RESULT 4

US-10-216-484-50
; Sequence 50, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Hattayama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 50
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-50

Query Match 99.0%; Score 1230; DB 15; Length 238;
Best Local Similarity 98.7%; Pred. No. 2.9e-84;
Matches 235; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 METDTILLVLLWVPGSTGEIVLTQSPGTTLSLSPGERATLSCAKASQSVVDYDGSYNNWY 60
Db 1 METDTILLVLLWVPGSTGEIVLTQSPGTTLSLSPGERATLSCAKASQSVVDYDGSYNNWY 60
QY 61 OOKPGQAPRLILTYAASNLSEGIIPDRFSGSGGTDFTLTISRLEPEDFAVYYCQGSNEDPR 120

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Db 61 OQKPGQAPRLIIYAASNLSEGIIPDRPSGSGSTDTLTIISRLPEADFAVYCCQSNEDPR 120
Qy 121 TFGQGTLEIKRTVAAPSVFIPPSPDEQLKSGTASVCLNNFYPREAKVOMKVDNALOS 180
Db 121 TFGQGTLEIKRTVAAPSVFIPPSPDEQLKSGTASVCLNNFYPREAKVOMKVDNALOS 180
Qy 181 GNSQESVTEODSKDSTYSLSTLTLSKADYEKKHVACVTHQGLSSPVTGSFNRGEC 238
Db 181 GNSQESVTEODSKDSTYSLSTLTLSKADYEKKHVACVTHQGLSSPVTGSFNRGEC 238
```

```
RESULT 5
US-10-384-933-109
; Sequence 109, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 109
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-109
```

```
Query Match 97.2%; Score 1207; DB 12; Length 238;
Best Local Similarity 97.5%; Pred. No. 1.5e-82;
Matches 232; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

Qy 1 METDTILMLVLLMWPGSTGEIVLTQSPGTLSLSPGERATLSCASQSVYDGDSTNNMY 60
Db 1 METDTILMLVLLMWPGSTGEIVLTQSPGTLSLSPGERATLSCASQSVYDGDSTNNMY 60
Qy 61 OQKPGQAPRLIIYAASNLSEGIIPDRPSGSGSTDTLTIISRLPEADFAVYCCQSNEDPR 120
Db 61 OQKPGQAPRLIIYAASNLSEGIIPDRPSGSGSTDTLTIISRLPEADFAVYCCQSNEDPR 120
Qy 121 TFGQGTLEIKRTVAAPSVFIPPSPDEQLKSGTASVCLNNFYPREAKVOMKVDNALOS 180
Db 121 TFGQGTLEIKRTVAAPSVFIPPSPDEQLKSGTASVCLNNFYPREAKVOMKVDNALOS 180
Qy 181 GNSQESVTEODSKDSTYSLSTLTLSKADYEKKHVACVTHQGLSSPVTGSFNRGEC 238
Db 181 GNSQESVTEODSKDSTYSLSTLTLSKADYEKKHVACVTHQGLSSPVTGSFNRGEC 238
```

```
RESULT 6
US-10-216-484-109
; Sequence 109, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
```

```
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 109
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-109
```

```
Query Match 97.2%; Score 1207; DB 15; Length 238;
Best Local Similarity 97.5%; Pred. No. 1.5e-82;
Matches 232; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

Qy 1 METDTILMLVLLMWPGSTGEIVLTQSPGTLSLSPGERATLSCASQSVYDGDSTNNMY 60
Db 1 METDTILMLVLLMWPGSTGEIVLTQSPGTLSLSPGERATLSCASQSVYDGDSTNNMY 60
Qy 61 OQKPGQAPRLIIYAASNLSEGIIPDRPSGSGSTDTLTIISRLPEADFAVYCCQSNEDPR 120
Db 61 OQKPGQAPRLIIYAASNLSEGIIPDRPSGSGSTDTLTIISRLPEADFAVYCCQSNEDPR 120
Qy 121 TFGQGTLEIKRTVAAPSVFIPPSPDEQLKSGTASVCLNNFYPREAKVOMKVDNALOS 180
Db 121 TFGQGTLEIKRTVAAPSVFIPPSPDEQLKSGTASVCLNNFYPREAKVOMKVDNALOS 180
Qy 181 GNSQESVTEODSKDSTYSLSTLTLSKADYEKKHVACVTHQGLSSPVTGSFNRGEC 238
Db 181 GNSQESVTEODSKDSTYSLSTLTLSKADYEKKHVACVTHQGLSSPVTGSFNRGEC 238
```

```
RESULT 7
US-10-384-933-52
; Sequence 52, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 52
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-52
```

```
Query Match 96.7%; Score 1201; DB 12; Length 238;
Best Local Similarity 96.6%; Pred. No. 4.2e-82;
Matches 230; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

Qy 1 METDTILMLVLLMWPGSTGEIVLTQSPGTLSLSPGERATLSCASQSVYDGDSTNNMY 60
Db 1 METDTILMLVLLMWPGSTGEIVLTQSPGTLSLSPGERATLSCASQSVYDGDSTNNMY 60
```

```

QY      61 QOKFGQAPRLIIVASNLSEGI PDRFSGSGSGTDTFTLTISRLEPEDFAVYCCQSNEDPR 120
      |||
      61 QOKFGQAPRLIIVASNLSEGI PDRFSGSGSGTDTFTLTISRLEPEDFAVYCCQSNEDPR 120
DB
QY      121 TFGGCTLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQMKVDNALQS 180
      |||
      121 TFGGCTLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQMKVDNALQS 180
DB
QY      181 GNSQSVTEODSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTSFNRGEC 238
      |||
      181 GNSQSVTEODSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTSFNRGEC 238
DB

```

RESULT 8

```

US-10-216-484-52
; Sequence 52, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 52
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-52

```

```

Query Match          96.7%; Score 1201; DB 15; Length 238;
Best Local Similarity 96.6%; Pred. No. 4.2e-82;
Matches 230; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

QY      1 METDTILLMWLLVWPSTGDIIVLTQSPGTLSLSPGERATLSCAKASQVDYDGSYNMWY 60
      |||
      1 METDTILLMWLLVWPSTGDIIVLTQSPGTLSLSPGERATLSCAKASQVDYDGSYNMWY 60
DB
QY      61 QOKFGQAPRLIIVASNLSEGI PDRFSGSGSGTDTFTLTISRLEPEDFAVYCCQSNEDPR 120
      |||
      61 QOKFGQAPRLIIVASNLSEGI PDRFSGSGSGTDTFTLTISRLEPEDFAVYCCQSNEDPR 120
DB
QY      121 TFGGCTLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQMKVDNALQS 180
      |||
      121 TFGGCTLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQMKVDNALQS 180
DB
QY      181 GNSQSVTEODSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTSFNRGEC 238
      |||
      181 GNSQSVTEODSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTSFNRGEC 238
DB

```

RESULT 9

```

US-10-384-933-54
; Sequence 54, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies

```

```

; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 54
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-54

```

```

Query Match          96.1%; Score 1193; DB 12; Length 238;
Best Local Similarity 95.8%; Pred. No. 1.7e-81;
Matches 228; Conservative 4; Mismatches 6; Indels 0; Gaps 0;

QY      1 METDTILLMWLLVWPSTGDIIVLTQSPGTLSLSPGERATLSCAKASQVDYDGSYNMWY 60
      |||
      1 METDTILLMWLLVWPSTGDIIVLTQSPGTLSLSPGERATLSCAKASQVDYDGSYNMWY 60
DB
QY      61 QOKFGQAPRLIIVASNLSEGI PDRFSGSGSGTDTFTLTISRLEPEDFAVYCCQSNEDPR 120
      |||
      61 QOKFGQAPRLIIVASNLSEGI PDRFSGSGSGTDTFTLTISRLEPEDFAVYCCQSNEDPR 120
DB
QY      121 TFGGCTLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQMKVDNALQS 180
      |||
      121 TFGGCTLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQMKVDNALQS 180
DB
QY      181 GNSQSVTEODSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTSFNRGEC 238
      |||
      181 GNSQSVTEODSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTSFNRGEC 238
DB

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RESULT 10

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US-10-216-484-54
; Sequence 54, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 54
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-54

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```

Query Match          96.1%; Score 1193; DB 15; Length 238;
Best Local Similarity 95.8%; Pred. No. 1.7e-81;
Matches 228; Conservative 4; Mismatches 6; Indels 0; Gaps 0;

QY      1 METDTILLMWLLVWPSTGDIIVLTQSPGTLSLSPGERATLSCAKASQVDYDGSYNMWY 60
      |||
      1 METDTILLMWLLVWPSTGDIIVLTQSPGTLSLSPGERATLSCAKASQVDYDGSYNMWY 60
DB

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Db      1  METDTILMLVLLMWPGSTGDIIVLTQSPSSLSASVGRVITITCKASQSVYDGDSDYNNMY 60
Qy      61  OOKPGQAPRLILYAASNLSESGIPDRPSGSGSGTDFTLTISRLPEPDAVYVCOQSNEDPR 120
        61  OOKPGKAPRLILYAASNLSESGIPSRPSGSGSGTDFTLTISRLPEPDAVYVCOQSNEDPR 120
Db      121  TFGQGTKEIKRTVAAPSVFIFPPSDEQKSGTASVCLLNNFYPREAKVQWKVDNALQ 180
Qy      121  TFGQGTKEIKRTVAAPSVFIFPPSDEQKSGTASVCLLNNFYPREAKVQWKVDNALQ 180
Db      121  TFGQGTKEIKRTVAAPSVFIFPPSDEQKSGTASVCLLNNFYPREAKVQWKVDNALQ 180
Qy      181  GNSQESVTEQDSKSTYSLSSTLTLSKADYERKHYACVTHQGLSSPVTGSFNRGEC 238
        181  GNSQESVTEQDSKSTYSLSSTLTLSKADYERKHYACVTHQGLSSPVTGSFNRGEC 238
Db

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RESULT 14

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US-10-216-484-131
; Sequence 131, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT FILING DATE: 2002-08-09
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/499,662
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 131
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-131

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Query Match      94.5%; Score 1174; DB 15; Length 238;
Best Local Similarity 93.3%; Pred. No. 4.3e-80;
Matches 222; Conservative 9; Mismatches 7; Indels 0; Gaps 0;

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Qy      1  METDTILMLVLLMWPGSTGDIIVLTQSPSSLSASVGRVITITCKASQSVYDGDSDYNNMY 60
        1  METDTILMLVLLMWPGSTGDIIVLTQSPSSLSASVGRVITITCKASQSVYDGDSDYNNMY 60
Db      61  OOKPGQAPRLILYAASNLSESGIPDRPSGSGSGTDFTLTISRLPEPDAVYVCOQSNEDPR 120
        61  OOKPGKAPRLILYAASNLSESGIPSRPSGSGSGTDFTLTISRLPEPDAVYVCOQSNEDPR 120
Db      121  TFGQGTKEIKRTVAAPSVFIFPPSDEQKSGTASVCLLNNFYPREAKVQWKVDNALQ 180
Qy      121  TFGQGTKEIKRTVAAPSVFIFPPSDEQKSGTASVCLLNNFYPREAKVQWKVDNALQ 180
Db      121  TFGQGTKEIKRTVAAPSVFIFPPSDEQKSGTASVCLLNNFYPREAKVQWKVDNALQ 180
Qy      181  GNSQESVTEQDSKSTYSLSSTLTLSKADYERKHYACVTHQGLSSPVTGSFNRGEC 238
        181  GNSQESVTEQDSKSTYSLSSTLTLSKADYERKHYACVTHQGLSSPVTGSFNRGEC 238
Db      181  GNSQESVTEQDSKSTYSLSSTLTLSKADYERKHYACVTHQGLSSPVTGSFNRGEC 238

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RESULT 15

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US-10-384-933-127
; Sequence 127, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takashi, Ikuko

```

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; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT FILING DATE: 2003-02-05
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/499,662
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 127
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-127

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Query Match      94.4%; Score 1173; DB 12; Length 238;
Best Local Similarity 92.9%; Pred. No. 5.1e-80;
Matches 221; Conservative 10; Mismatches 7; Indels 0; Gaps 0;

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Qy      1  METDTILMLVLLMWPGSTGDIIVLTQSPSSLSASVGRVITITCKASQSVYDGDSDYNNMY 60
        1  METDTILMLVLLMWPGSTGDIIVLTQSPSSLSASVGRVITITCKASQSVYDGDSDYNNMY 60
Db      61  OOKPGQAPRLILYAASNLSESGIPDRPSGSGSGTDFTLTISRLPEPDAVYVCOQSNEDPR 120
        61  OOKPGKAPRLILYAASNLSESGIPSRPSGSGSGTDFTLTISRLPEPDAVYVCOQSNEDPR 120
Db      121  TFGQGTKEIKRTVAAPSVFIFPPSDEQKSGTASVCLLNNFYPREAKVQWKVDNALQ 180
Qy      121  TFGQGTKEIKRTVAAPSVFIFPPSDEQKSGTASVCLLNNFYPREAKVQWKVDNALQ 180
Db      121  TFGQGTKEIKRTVAAPSVFIFPPSDEQKSGTASVCLLNNFYPREAKVQWKVDNALQ 180
Qy      181  GNSQESVTEQDSKSTYSLSSTLTLSKADYERKHYACVTHQGLSSPVTGSFNRGEC 238
        181  GNSQESVTEQDSKSTYSLSSTLTLSKADYERKHYACVTHQGLSSPVTGSFNRGEC 238
Db      181  GNSQESVTEQDSKSTYSLSSTLTLSKADYERKHYACVTHQGLSSPVTGSFNRGEC 238

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Search completed: February 20, 2004, 14:25:33
Job time : 19.0486 secs

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Mon Feb 23 07:54:32 2004

US-09-499-662-109.ra1

GenCore version 5.1.6
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OM protein - protein search, using SW model

Run on: February 20, 2004, 13:23:52 ; Search time 7.89311 Seconds
(without alignments)
1275.794 Million cell updates/sec

Title: US-09-499-662-109
Sequence: 1 MERTILLWTLWLVPGSTG.....EVTGGLSPVTKSFNRGRC 238

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
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2: /cgm2_6/prodata/1/1aa/5B.COMB.pep:*
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6: /cgm2_6/prodata/1/1aa/5B.COMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1031	82.8	218	5 PCT-US96-13152-2	Sequence 2, Appl1
2	1027	82.5	240	4 US-09-301-593-16	Sequence 36, Appl1
3	1017	81.7	218	4 US-08-887-352B-13	Sequence 13, Appl1
4	1017	81.7	218	3 US-08-466-151-9	Sequence 9, Appl1
5	1017	81.7	218	3 US-09-109-207C-13	Sequence 13, Appl1
6	1017	81.7	218	3 US-09-296-005-13	Sequence 9, Appl1
7	1017	81.7	218	4 US-08-466-163B-9	Sequence 1, Appl1
8	994	79.8	218	3 US-09-282-505-1	Sequence 1, Appl1
9	994	79.8	218	4 US-09-054-255-1	Sequence 1, Appl1
10	994	79.8	218	4 US-09-282-846-1	Sequence 1, Appl1
11	994	79.8	218	4 US-09-680-145-1	Sequence 15, Appl1
12	991	79.6	218	2 US-08-887-352B-15	Sequence 17, Appl1
13	991	79.6	218	2 US-08-887-352B-19	Sequence 19, Appl1
14	991	79.6	218	2 US-08-887-352B-24	Sequence 24, Appl1
15	991	79.6	218	2 US-09-109-207C-15	Sequence 15, Appl1
16	991	79.6	218	3 US-09-109-207C-17	Sequence 17, Appl1
17	991	79.6	218	3 US-09-109-207C-19	Sequence 19, Appl1
18	991	79.6	218	3 US-09-109-207C-24	Sequence 24, Appl1
19	991	79.6	218	3 US-09-296-005-15	Sequence 15, Appl1
20	991	79.6	218	3 US-09-296-005-17	Sequence 17, Appl1
21	991	79.6	218	3 US-09-296-005-19	Sequence 19, Appl1
22	991	79.6	218	3 US-09-296-005-24	Sequence 24, Appl1
23	991	79.6	218	3 US-09-296-005-24	Sequence 24, Appl1
24	971.5	78.0	239	3 US-08-487-550-6	Sequence 6, Appl1
25	971.5	78.0	239	3 US-09-526-098-6	Sequence 6, Appl1
26	968.5	77.8	241	2 US-07-916-098A-56	Sequence 56, Appl1
27	962	77.3	234	4 US-09-740-002-24	Sequence 24, Appl1

28	959	77.0	234	3 US-09-049-672A-6	Sequence 6, Appl1
29	945.5	75.9	235	3 US-09-171-945-97	Sequence 97, Appl1
30	941.5	75.6	235	1 US-08-276-852-153	Sequence 153, App
31	941.5	75.6	235	1 US-08-899-575-153	Sequence 153, App
32	941.5	75.6	235	5 PCT-US95-08743-153	Sequence 153, App
33	941.5	75.5	233	2 US-07-934-373C-25	Sequence 25, Appl1
34	939.5	75.5	233	3 US-08-437-642B-25	Sequence 25, Appl1
35	939.5	75.5	233	4 US-08-146-206C-25	Sequence 25, Appl1
36	939.5	75.5	233	5 PCT-US93-07832-25	Sequence 28, Appl1
37	939.5	75.3	240	4 US-09-301-593-28	Sequence 39, Appl1
38	937	75.3	214	2 US-07-934-373C-39	Sequence 39, Appl1
39	936	75.2	214	3 US-08-437-642B-39	Sequence 39, Appl1
40	936	75.2	214	5 PCT-US93-07832-39	Sequence 39, Appl1
41	931.5	74.8	235	3 US-09-171-945-99	Sequence 99, Appl1
42	931.5	74.8	214	2 US-07-934-373C-40	Sequence 40, Appl1
43	931	74.8	214	2 US-08-788-800-11	Sequence 11, Appl1
44	931	74.8	214	3 US-08-437-642B-40	Sequence 40, Appl1
45	931	74.8	214	3 US-08-437-642B-40	Sequence 40, Appl1

ALIGNMENTS

RESULT 1
PCT-US96-13152-2
Sequence 2, Application PC/TUS9613152
GENERAL INFORMATION:
APPLICANT: Martin, Ulrich, et al.
TITLE OF INVENTION: Anti-selectin antibodies for prevention of multiple organ fail
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Felle & Lynch
ADDRESSEE: Actn: Norman D. Hanson
STREET: 805 Third Avenue
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Computer Disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/13152
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/578,953
FILING DATE: 27-Dec-95
APPLICATION NUMBER: EP 95 112 895.8
FILING DATE: 17-Aug-95
APPLICATION NUMBER: EP 95 114 969.9
FILING DATE: 19-Sep-95
ATTORNEY/AGENT INFORMATION:
NAME: Norman D. Hanson
REGISTRATION NUMBER: 30,946
REFERENCE/DOCKET NUMBER: BOER 1059-PCT-PFF/NDH
TELEPHONE: (212) 688-9200
TELEFAX: (212) 688-3684
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 218
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US96-13152-2
Query Match 82.8%; Score 1031; DB 5; Length 218;
Best Local Similarity 89.9%; Pred. No. 9.9e-81; Indels 0; Gaps 0;
Matches 196; Conservative 11; Mismatches 11;

QY	21	IIIVLTQSGGTTLSLSPGRRATLSCXASQSDVDYGDSTMMNYQQKPGQAPRLIYYAANLES	80
Db	1	DIQMTQSSSLASASGDRVTITICKASQSDVDYGDSTMMNYQQKPGQAPRLIYYAANLES	60
QY	81	GIPIRFSGSGSGCTDPTLTIIHPVEEBDAATYYCQSNSEDPRTFGQTKLEIKRTVAAPSVF	140
Db	61	GIPIRFSGSGSGCTDPTLTIISSLQPEDFATYYCQSNSEDPMTFGQTKLEIKRTVAAPSVF	120
QY	141	IFPPSDEQLKSGTASVVCILNFFPREAAYQMKVDNALQSGNSQESVTEVDSDSDSTYSLS	200
Db	121	IFPPSDEQLKSGTASVVCILNFFPREAAYQMKVDNALQSGNSQESVTEVDSDSDSTYSLS	180
QY	201	STLTLSKADYEKHKVYACEVTHQGLSSPTKSFNRGEC	238
Db	181	STLTLSKADYEKHKVYACEVTHQGLSSPTKSFNRGEC	218

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RESULT 2
US-09-301-593-36
; Sequence 36, Application US/09301593A
; Patent No. 6455677
; GENERAL INFORMATION:
; APPLICANT: Park, John E.
; APPLICANT: Garin-Chessa, Pilar
; APPLICANT: Bamberger, Uwe
; APPLICANT: Leger, Olivier
; APPLICANT: Saldanha, Jose W.
; APPLICANT: Rettig, Wolfgang J.
; TITLE OF INVENTION: PAP-specific Antibody with Improved Productibility
; FILE REFERENCE: 0652.1890001
; CURRENT APPLICATION NUMBER: US/09/301,593A
; CURRENT FILING DATE: 1999-04-29
; EARLIER APPLICATION NUMBER: EP 98107925.4
; EARLIER FILING DATE: 1998-04-30
; EARLIER APPLICATION NUMBER: US 60/086,049
; EARLIER FILING DATE: 1998-05-18
; NUMBER OF SEQ ID NOS: 108
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 36
; LENGTH: 240
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-301-593-36

Query Match      82.5%; Score 1027; DB 4; Length 240;
Best Local Similarity 82.1%; Pred. No. 2.4e-80;
Matches 197; Conservative 20; Mismatches 21; Indels 2; Gaps 1;

QY      1 METDTLLMWTLWMVPGSTGEIVLTQSPGTLSLSPGERATLISCKASQSVVDYDGD--SYWN 58
Db      1 METDTLLMWTLWMVPPSSGSDIVMTQSPDLSANSLGERATINIKSSQSLYLRNKNTYA 60

QY      59 WYQOKPGQAPRLIITYAASNLSEGIPIRFSGSGSGTDFTLTTHPEVEEDATYYCOQSNED 118
Db      61 WYQOKPGQPKLLIFMASTRRESGVPIRFSGSGSGTDFTLTISLQAEVDAAVYYCOQYSY 120

QY      119 PRFFGQGTLEIRRTVAAPSVFIFPPSDEQLKSGTASVCLINFFPREAKYQMWKDNL 178
Db      121 PLTFGQGTIKRKIRTVAAAPSVFIFPPSDEQLKSGTASVCLINFFPREAKYQMWKDNL 180

QY      179 QSGNSQSEYVEQDSKDYSLSLTILSKADYEKHKYVACEVTHQGLSSPVTKSFNRGEC 238
Db      181 QSGNSQSEYVEQDSKDYSLSLTILSKADYEKHKYVACEVTHQGLSSPVTKSFNRGEC 240

RESULT 3
US-08-887-352B-13
; Sequence 13, Application US/08887352B
; Patent No. 5994511
; GENERAL INFORMATION:
; APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
; TITLE OF INVENTION: Improved Anti-1GE Antibodies and Method of

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Query Match 81.7% ; Score 1017 ; DB 2 ; Length 218 ;
Best Local Similarity 88.5% ; Pred. No. 1,66-79 ;
Matches 193 ; Conservative 13 ; Mismatches 12 ; Indels 0 ; Gaps 0 ;

QY      21  EIVLTQSPGTLISLSPGERATLSCKASQSVYDGDSYNNMTYQKQKGAAPRLITYAASNLES 80
Db      1  DIGLTQSPSSLISAQVDRVITITCRASQSVYDGDSDYNNMTYQKQKGAAPRLITYAASYLES 60
QY      81  GIPREGSGSGNDPFTLTTHPVEEDAAITYCCQSNNDPRFRGGTQLEIRTYAAASVF 140
Db      61  GVPSRFSGSSGNDPFTLTSLTLOPEDPAITYCCQSHSDPFTFGGTQVLEIKRTYAAASVF 120
QY      141  IFPSDSQLSGTASVCLNNFPRERAKYQMKVDNALQSGNSQESVTEQDSKDSTYSLS 200
Db      121  IFPSDSQLSGTASVCLNNFPRERAKYQMKVDNALQSGNSQESVTEQDSKDSTYSLS 180
QY      201  STLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
Db      181  STLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 218

RESULT 4
US-08-466-151-9
; Sequence 9, Application US/08466151
; Patent No. 6037453
; GENERAL INFORMATION:
; APPLICANT: Jardieu, Paula M.
; APPLICANT: Presta, Leonard G.
; TITLE OF INVENTION: Immunoglobulin Variants
; NUMBER OF SEQUENCES: 65
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

```

SOFTWARE: winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/466,151
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/466163
FILING DATE: 06-Jun-1995
APPLICATION NUMBER: 08/405617
FILING DATE: 15-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/185899
FILING DATE: 26-JAN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/879495
FILING DATE: 07-MAY-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744768
FILING DATE: 14-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P0718P2C1D1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-466-151-9

Query Match 81.7%; Score 1017; DB 3; Length 218;
Best Local Similarity 88.5%; Pred. No. 1.6e-79;
Matches 193; Conservative 13; Mismatches 12; Indels 0; Gaps 0;

QY 21 EIVLTGSPGTLSPGERATLSCAKASQSVDDGDSYNNMWYQKPGQAPRLIIYAASNI 80
DB 1 DIQLTQSPSSLSASVGRVITTCRASQSVDDGDSYNNMWYQKPGKAPKLIYAASYLE 60
QY 81 GIPDRFSGSGGTDFTLTIHPVEEDDAATYYCOQSNEDPRTFGQGTLEIKRTVAAPSV 140
DB 61 GVPRFSGSGGTDFTLTISSLQPEDPATYYCQSHSDPYFGGTKEIKRTVAAPSV 120
QY 141 IFPPSDQLKSGTASVVCCLNNFPYPRKAVQWKVDNALQSGNSQESVTEQDSKDSYSL 200
DB 121 IFPPSDQLKSGTASVVCCLNNFPYPRKAVQWKVDNALQSGNSQESVTEQDSKDSYSL 180
QY 201 STLTLRKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 238
DB 181 STLTLRKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 218

RESULT 5
US-09-109-207C-13

Sequence 13, Application US/09109207C
Patent No. 6172213
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Prestea, Paula M. Jardieu, John Lowe
TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of Improving Polypeptide
FILE REFERENCE: P11231
CURRENT APPLICATION NUMBER: US/09/109,207C
PRIOR FILING DATE: 1998-06-30
PRIOR APPLICATION NUMBER: US 60/051,554
NUMBER OF SEQ ID NOS: 44
SEQ ID NO 13
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial
FEATURE:
NAME/KEY: Artificial

LOCATION: 1-218
OTHER INFORMATION: Light chain sequence derived from MAE11
US-09-109-207C-13

Query Match 81.7%; Score 1017; DB 3; Length 218;
Best Local Similarity 88.5%; Pred. No. 1.6e-79;
Matches 193; Conservative 13; Mismatches 12; Indels 0; Gaps 0;

QY 21 EIVLTGSPGTLSPGERATLSCAKASQSVDDGDSYNNMWYQKPGQAPRLIIYAASNI 80
DB 1 DIQLTQSPSSLSASVGRVITTCRASQSVDDGDSYNNMWYQKPGKAPKLIYAASYLE 60
QY 81 GIPDRFSGSGGTDFTLTIHPVEEDDAATYYCOQSNEDPRTFGQGTLEIKRTVAAPSV 140
DB 61 GVPRFSGSGGTDFTLTISSLQPEDPATYYCQSHSDPYFGGTKEIKRTVAAPSV 120
QY 141 IFPPSDQLKSGTASVVCCLNNFPYPRKAVQWKVDNALQSGNSQESVTEQDSKDSYSL 200
DB 121 IFPPSDQLKSGTASVVCCLNNFPYPRKAVQWKVDNALQSGNSQESVTEQDSKDSYSL 180
QY 201 STLTLRKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 238
DB 181 STLTLRKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 218

RESULT 6
US-09-296-005-13

Sequence 13, Application US/09296005
Patent No. 6290957
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Prestea, Paula M. Jardieu, John Lowe
TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of Improving Polypeptides
FILE REFERENCE: P11231
CURRENT APPLICATION NUMBER: US/09/296,005
PRIOR FILING DATE: 1999-04-21
EARLIER APPLICATION NUMBER: US 08/887,352
PRIOR FILING DATE: 1997-07-02
NUMBER OF SEQ ID NOS: 26
SEQ ID NO 13
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial
FEATURE:
NAME/KEY: Artificial
LOCATION: 1-218
OTHER INFORMATION: Light chain sequence derived from MAE11
US-09-296-005-13

Query Match 81.7%; Score 1017; DB 3; Length 218;
Best Local Similarity 88.5%; Pred. No. 1.6e-79;
Matches 193; Conservative 13; Mismatches 12; Indels 0; Gaps 0;

QY 21 EIVLTGSPGTLSPGERATLSCAKASQSVDDGDSYNNMWYQKPGQAPRLIIYAASNI 80
DB 1 DIQLTQSPSSLSASVGRVITTCRASQSVDDGDSYNNMWYQKPGKAPKLIYAASYLE 60
QY 81 GIPDRFSGSGGTDFTLTIHPVEEDDAATYYCOQSNEDPRTFGQGTLEIKRTVAAPSV 140
DB 61 GVPRFSGSGGTDFTLTISSLQPEDPATYYCQSHSDPYFGGTKEIKRTVAAPSV 120
QY 141 IFPPSDQLKSGTASVVCCLNNFPYPRKAVQWKVDNALQSGNSQESVTEQDSKDSYSL 200
DB 121 IFPPSDQLKSGTASVVCCLNNFPYPRKAVQWKVDNALQSGNSQESVTEQDSKDSYSL 180
QY 201 STLTLRKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 238
DB 181 STLTLRKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 218

RESULT 7
US-08-466-163B-9

Sequence 9, Application US/08466163B
Patent No. 6329509

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/ GENERAL INFORMATION:
/ APPLICANT: Jardieu, Paula M.
/ TITLE OF INVENTION: Immunoglobulin Variants
/ FILE REFERENCE: P0718P2C1D1
/ CURRENT FILING DATE: 1995-06-06
/ PRIOR APPLICATION NUMBER: US 08/405,617
/ PRIOR FILING DATE: 1995-03-15
/ PRIOR APPLICATION NUMBER: US 08/185,899
/ PRIOR FILING DATE: 1994-01-26
/ PRIOR APPLICATION NUMBER: US 07/879,495
/ PRIOR FILING DATE: 1992-05-07
/ PRIOR APPLICATION NUMBER: US 07/744,768
/ PRIOR FILING DATE: 1991-08-14
/ NUMBER OF SEQ ID NOS: 64
/ SEQ ID NO 9
/ LENGTH: 218
/ TYPE: PRT
/ ORGANISM: Artificial sequence
/ OTHER INFORMATION: humanized mab1, version 1, light chain
US-08-466-163B-9

Query Match      81.7%; Score 1017; DB 4; Length 218;
Best Local Similarity 88.5%; Pred. No. 1.6e-79;
Matches 193; Conservative 13; Mismatches 12; Indels 0; Gaps 0;

QY 21 EIVLTGSPGTLSPGERATLSCAKASQVDYDGSYNNMWYQOKPGQAPRLIIYAASNI 80
DB 1 DIQLTGSPSSLSASVGRVITTCRASQSDYDGSYNNMWYQOKPKAKLIIYAASYLE 60
QY 81 GIPDRFSGSGSGTFTLTTHVEEDATYYCOQSNEDPRTFGQGTLEIKRTVAAPSVF 140
DB 61 GVPDRFSGSGSGTFTLTTHVEEDATYYCOQSNEDPRTFGQGTLEIKRTVAAPSVF 120
QY 141 IFPPSDQLKSGTASVCLNNFYPREAKVQWKVDNALQSGNSQESVTEBDSKDSSTYSLS 200
DB 121 IFPPSDQLKSGTASVCLNNFYPREAKVQWKVDNALQSGNSQESVTEBDSKDSSTYSLS 180
QY 201 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
DB 181 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 218

RESULT 8
US-09-282-505-1
/ Sequence 1, Application US/09282505A
/ Patent No. 6194551
/ GENERAL INFORMATION:
/ APPLICANT: Eschoe Ekinaduse Idusogie et al.
/ TITLE OF INVENTION: Polypeptide Variants
/ FILE REFERENCE: P1266R1
/ CURRENT APPLICATION NUMBER: US/09/282,505A
/ CURRENT FILING DATE: 1999-03-31
/ NUMBER OF SEQ ID NOS: 2
/ SEQ ID NO 1
/ LENGTH: 218
/ TYPE: PRT
/ ORGANISM: Artificial sequence
/ NAME/KEY: Artificial Sequence
/ LOCATION: 1-218
/ OTHER INFORMATION: Sequence is completely synthesized
/ Patent No. 6194551
US-09-282-505-1

Query Match      79.8%; Score 994; DB 3; Length 218;
Best Local Similarity 86.7%; Pred. No. 1.4e-77;
Matches 189; Conservative 15; Mismatches 14; Indels 0; Gaps 0;

QY 21 EIVLTGSPGTLSPGERATLSCAKASQVDYDGSYNNMWYQOKPGQAPRLIIYAASNI 80
DB 1 DIQLTGSPSSLSASVGRVITTCRASQSDYDGSYNNMWYQOKPKAKLIIYAASYLE 60
QY 81 GIPDRFSGSGSGTFTLTTHVEEDATYYCOQSNEDPRTFGQGTLEIKRTVAAPSVF 140
DB 61 GVPDRFSGSGSGTFTLTTHVEEDATYYCOQSNEDPRTFGQGTLEIKRTVAAPSVF 120
QY 141 IFPPSDQLKSGTASVCLNNFYPREAKVQWKVDNALQSGNSQESVTEBDSKDSSTYSLS 200
DB 121 IFPPSDQLKSGTASVCLNNFYPREAKVQWKVDNALQSGNSQESVTEBDSKDSSTYSLS 180
QY 201 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
DB 181 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 218

RESULT 9
US-09-054-255-1
/ Sequence 1, Application US/09054255
/ Patent No. 6242195
/ GENERAL INFORMATION:
/ APPLICANT: Eschoe Ekinaduse Idusogie et al.
/ TITLE OF INVENTION: Polypeptide Variants
/ FILE REFERENCE: P1266
/ CURRENT APPLICATION NUMBER: US/09/054,255
/ CURRENT FILING DATE: 1998-04-02
/ NUMBER OF SEQ ID NOS: 2
/ SEQ ID NO 1
/ LENGTH: 218
/ TYPE: PRT
/ ORGANISM: Artificial sequence
/ OTHER INFORMATION: E27 anti-1G8 antibody light chain
US-09-054-255-1

Query Match      79.8%; Score 994; DB 3; Length 218;
Best Local Similarity 86.7%; Pred. No. 1.4e-77;
Matches 189; Conservative 15; Mismatches 14; Indels 0; Gaps 0;

QY 21 EIVLTGSPGTLSPGERATLSCAKASQVDYDGSYNNMWYQOKPGQAPRLIIYAASNI 80
DB 1 DIQLTGSPSSLSASVGRVITTCRASQSDYDGSYNNMWYQOKPKAKLIIYAASYLE 60
QY 81 GIPDRFSGSGSGTFTLTTHVEEDATYYCOQSNEDPRTFGQGTLEIKRTVAAPSVF 140
DB 61 GVPDRFSGSGSGTFTLTTHVEEDATYYCOQSNEDPRTFGQGTLEIKRTVAAPSVF 120
QY 141 IFPPSDQLKSGTASVCLNNFYPREAKVQWKVDNALQSGNSQESVTEBDSKDSSTYSLS 200
DB 121 IFPPSDQLKSGTASVCLNNFYPREAKVQWKVDNALQSGNSQESVTEBDSKDSSTYSLS 180
QY 201 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
DB 181 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 218

RESULT 10
US-09-282-846-1
/ Sequence 1, Application US/09282846
/ Patent No. 6528624
/ GENERAL INFORMATION:
/ APPLICANT: Eschoe Ekinaduse Idusogie et al.
/ TITLE OF INVENTION: Polypeptide Variants
/ FILE REFERENCE: P1266R2
/ CURRENT APPLICATION NUMBER: US/09/282,846
/ CURRENT FILING DATE: 1999-03-31
/ NUMBER OF SEQ ID NOS: 2
/ SEQ ID NO 1
/ LENGTH: 218
/ TYPE: PRT
/ ORGANISM: Artificial sequence
/ NAME/KEY: Artificial Sequence
/ LOCATION: 1-218
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DB 1 DIQLTGSPSSLSASVGRVITTCRASQSDYDGSYNNMWYQOKPKAKLIIYAASYLE 60
QY 81 GIPDRFSGSGSGTFTLTTHVEEDATYYCOQSNEDPRTFGQGTLEIKRTVAAPSVF 140
DB 61 GVPDRFSGSGSGTFTLTTHVEEDATYYCOQSNEDPRTFGQGTLEIKRTVAAPSVF 120
QY 141 IFPPSDQLKSGTASVCLNNFYPREAKVQWKVDNALQSGNSQESVTEBDSKDSSTYSLS 200
DB 121 IFPPSDQLKSGTASVCLNNFYPREAKVQWKVDNALQSGNSQESVTEBDSKDSSTYSLS 180
QY 201 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
DB 181 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 218

RESULT 9
US-09-054-255-1
/ Sequence 1, Application US/09054255
/ Patent No. 6242195
/ GENERAL INFORMATION:
/ APPLICANT: Eschoe Ekinaduse Idusogie et al.
/ TITLE OF INVENTION: Polypeptide Variants
/ FILE REFERENCE: P1266
/ CURRENT APPLICATION NUMBER: US/09/054,255
/ CURRENT FILING DATE: 1998-04-02
/ NUMBER OF SEQ ID NOS: 2
/ SEQ ID NO 1
/ LENGTH: 218
/ TYPE: PRT
/ ORGANISM: Artificial sequence
/ OTHER INFORMATION: E27 anti-1G8 antibody light chain
US-09-054-255-1

Query Match      79.8%; Score 994; DB 3; Length 218;
Best Local Similarity 86.7%; Pred. No. 1.4e-77;
Matches 189; Conservative 15; Mismatches 14; Indels 0; Gaps 0;

QY 21 EIVLTGSPGTLSPGERATLSCAKASQVDYDGSYNNMWYQOKPGQAPRLIIYAASNI 80
DB 1 DIQLTGSPSSLSASVGRVITTCRASQSDYDGSYNNMWYQOKPKAKLIIYAASYLE 60
QY 81 GIPDRFSGSGSGTFTLTTHVEEDATYYCOQSNEDPRTFGQGTLEIKRTVAAPSVF 140
DB 61 GVPDRFSGSGSGTFTLTTHVEEDATYYCOQSNEDPRTFGQGTLEIKRTVAAPSVF 120
QY 141 IFPPSDQLKSGTASVCLNNFYPREAKVQWKVDNALQSGNSQESVTEBDSKDSSTYSLS 200
DB 121 IFPPSDQLKSGTASVCLNNFYPREAKVQWKVDNALQSGNSQESVTEBDSKDSSTYSLS 180
QY 201 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
DB 181 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 218

RESULT 10
US-09-282-846-1
/ Sequence 1, Application US/09282846
/ Patent No. 6528624
/ GENERAL INFORMATION:
/ APPLICANT: Eschoe Ekinaduse Idusogie et al.
/ TITLE OF INVENTION: Polypeptide Variants
/ FILE REFERENCE: P1266R2
/ CURRENT APPLICATION NUMBER: US/09/282,846
/ CURRENT FILING DATE: 1999-03-31
/ NUMBER OF SEQ ID NOS: 2
/ SEQ ID NO 1
/ LENGTH: 218
/ TYPE: PRT
/ ORGANISM: Artificial sequence
/ NAME/KEY: Artificial Sequence
/ LOCATION: 1-218
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OTHER INFORMATION: Sequence is completely synthesized
; Patent No. 6528624
US-09-282-846-1

Query March	79.8%;	Score 994;	DB 4;	Length 218;
Best Local Similarity	86.7%;	Pred. No. 1.4e-77;		
Matches 189;	Conservative 15;	Mismatches 14;	Indels 0;	Gaps 0;

[illegible]

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RESULT 11
US-09-680-145-1
; Sequence 1, Application US/09680145
; Patent No. 6538124
;
GENERAL INFORMATION:
; APPLICANT: Esche Ekinaadese Idnsoeie et al.
; TITLE OF INVENTION: Polypeptide Variants
; FILE REFERENCE: P126GRI
; CURRENT APPLICATION NUMBER: US/09/680,145
; CURRENT FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 09/282,505
; PRIOR FILING DATE: 1999-03-13
; NUMBER OF SEQ ID NOS: 2
; SEQ ID NO 1
; LENGTH: 218
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: Artificial Sequence
; LOCATION: 1-218
; OTHER INFORMATION: Sequence is completely synthesized
; Patent No. 6538124
; US-09-680-145-1

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Query Match	79.8%	Score 994	DB 4	Length 218
Best Local Similarity	86.7%	Pred. No. 1.4e-77		
Matches 189	Conservative 15	Mismatches 14	Indels 0	Gaps 0

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QY      2  EIVLTQSPGTLSPSPERATLSTCKASQSVVDYSGDSYNNMWYQOKPQAPRLITYAASLES  80
Db      1  DIQLTQSPSSLSASVDRTLTTCRAKAPVDSGDSYNNMWYQOKPEKAPKLITYAASLTLES  60

QY      81  GIDPRFSGSGSGSTDTFTLTTHPVEEEDPAATYYCQSGNEEDPRTFGQSTKLEIKRTVAASV  140
Db      61  GVPSRFSGSGSGSTDTFTLTSTLQPEDFAATYYCQSGHEDPYTFGQSTKVEIKRTVAASV  120

QY      141  IPPPSPEOLKSGTASVCLINNFPYREAVYQKRDNALQSGNSQDSVTREQDSKDSYLS  200
Db      121  IPPPSPEOLKSGTASVCLINNFPYREAVYQKRDNALQSGNSQDSVTREQDSKDSYLS  180

QY      201  STLTLKADYEKHKVYACEVTHQGLSSPYTKSFPNRGEC  238
Db      181  STLTLKADYEKHKVYACEVTHQGLSSPYTKSFPNRGEC  218

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RESULT 12
US-08-887-352B-15
; Sequence 15, Application US/08887352B

Patent No. 5994511
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of
TITLE OF INVENTION: Improved Polypeptides
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
City: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
IS-08-887-352B-15

Query Match	79.6%;	Score 991;	DB 2;	Length 218;
Best Local Similarity	86.2%;	Pred. No. 2.6e-77;		
Matches 188;	Conservative 16;	Mismatches 14;	Indels 0;	Gaps 0;

```

QY 2 EYLTQSPPTSLISGGERATLTSCKRQSGVDYDQDSYMMVYQQRGQAPRLIIYAASNLSS 80
Db 1 DLYQTSPPSSLSASGDKRTITTCRAKSKVDDEGBDSYLMWYQQRGKAPKLIIYAASLTSS 60
QY 81 GIDPRFSGSGSGDTFTLIHPVEEEDAAITYYQQQSNEDPRITGGQTKLEIKRTVAASVVF 140
Db 61 GVDPRSGSGSGGDTFTLTISLQPEDFATYYCQQSHEDPYTFGGQTKVEIKRTVAASVVF 120
QY 141 IPPPSDEQLKSGTASVCLLNFFYREAKVQMKDNLQGSNSQSESTVEDQSKDSTYSLSS 200
Db 121 IPPPSDEQLKSGTASVCLLNFFYREAKVQMKDNLQGSNSQSESTVEDQSKDSTYSLSS 180
QY 201 STLTLTKADYEKHKYAAACEVTHQGLSSPVTSFNRGEC 238
Db 181 STLTLTKADYEKHKYAAACEVTHQGLSSPVTSFNRGEC 218

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RESULT 13
 US-08-887-352B-17
 : Sequence 17, Application US/08887352B
 : Patent No. 5994511
 :
 : GENERAL INFORMATION:
 :
 : APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
 :
 : TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of
 :
 : TITLE OF INVENTION: Improving Polypeptides
 :
 : NUMBER OF SEQUENCES: 26
 :
 : CORRESPONDENCE ADDRESS:
 :
 : ADDRESSER: Genentech, Inc.
 :
 : STREET: 1 DNA Way
 :
 : CITY: South San Francisco
 :
 : STATE: California
 :
 : COUNTRY: USA
 :
 : ZIP: 94080
 :

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-17

Query Match 79.6%; Score 991; DB 2; Length 218;
Best Local Similarity 86.2%; Pred. No. 2.6e-77;
Matches 188; Conservative 16; Mismatches 14; Indels 0; Gaps 0;

QY 21 EIVLTGSGTSLSPGERATLSCASQSVYDGSYNNWYQKPGQAPRLIYAASVLF 80
DB 1 DIQLTGSSLSASVGRVITTCRASRPVDEGSYNNWYQKPGKAPKLIYAASVLF 60

QY 81 GIDPRFSGSGSDFTLTIHVEBEDAATYYCOQSNEDPRTFGQGTLEIKRTVAAPSVF 140
DB 61 GVPSRFSGSGSDFTLTIHVEBEDAATYYCOQSHEDPRTFGQGTVEIKRTVAAPSVF 120

QY 141 IPPPSDEQLKSGTASVVCILNFPYPRAKYQWKVDNALQSGNSQESTVTEODSKDSTYSL 200
DB 121 IPPPSDEQLKSGTASVVCILNFPYPRAKYQWKVDNALQSGNSQESTVTEODSKDSTYSL 180

QY 201 STLTLSKADYEKKKVVACEVTHQGLSPVTKSFNRGEC 238
DB 181 STLTLSKADYEKKKVVACEVTHQGLSPVTKSFNRGEC 218

RESULT 14
US-08-887-352B-19
Sequence 19, Application US/08887352B
Patent No. 5994511
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123

TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-19

Query Match 79.6%; Score 991; DB 2; Length 218;
Best Local Similarity 86.2%; Pred. No. 2.6e-77;
Matches 188; Conservative 16; Mismatches 14; Indels 0; Gaps 0;

QY 21 EIVLTGSGTSLSPGERATLSCASQSVYDGSYNNWYQKPGQAPRLIYAASVLF 80
DB 1 DIQLTGSSLSASVGRVITTCRASRPVDEGSYNNWYQKPGKAPKLIYAASVLF 60

QY 81 GIDPRFSGSGSDFTLTIHVEBEDAATYYCOQSNEDPRTFGQGTLEIKRTVAAPSVF 140
DB 61 GVPSRFSGSGSDFTLTIHVEBEDAATYYCOQSHEDPRTFGQGTVEIKRTVAAPSVF 120

QY 141 IPPPSDEQLKSGTASVVCILNFPYPRAKYQWKVDNALQSGNSQESTVTEODSKDSTYSL 200
DB 121 IPPPSDEQLKSGTASVVCILNFPYPRAKYQWKVDNALQSGNSQESTVTEODSKDSTYSL 180

QY 201 STLTLSKADYEKKKVVACEVTHQGLSPVTKSFNRGEC 238
DB 181 STLTLSKADYEKKKVVACEVTHQGLSPVTKSFNRGEC 218

RESULT 15
US-08-887-352B-24
Sequence 24, Application US/08887352B
Patent No. 5994511
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-24

Query Match 79.6%; Score 991; DB 2; Length 218;
Best Local Similarity 86.2%; Pred. No. 2.6e-77;
Matches 188; Conservative 16; Mismatches 14; Indels 0; Gaps 0;

Qy	21	BIYLTOSPGTSLSPGERATLSCKASOSVDYDGSYMMWYQOKPGOAPRLIYAASNLES	80
Db	1	DIQLTQSPSSLSASVGDPRVITTCRAASKYVDGSDSYLANWYQOKPGKAPKLDIYAASYLE	60
Qy	81	GIPDRFSGSGSGTDFTLTIHPVEERDAATYYCOQSNEDPRTFGQGTKLEIKRTVAAPSVF	140
Db	61	GVPSRPFSGSGSGTDFTLTISSLOPEDFATYYCOQSHEDPYTFGQGTKEIKRTVAAPSVF	120
Qy	141	IFPPSDQLKSGTASVVCCLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSTYSLS	200
Db	121	IFPPSDQLKSGTASVVCCLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSTYSLS	180
Qy	201	STLTLSKADYKHKVYACEVTHOGLSPVTKSFNRGEC	238
Db	181	STLTLSKADYKHKVYACEVTHOGLSPVTKSFNRGEC	218

Search completed: February 20, 2004, 13:35:05
 Job time : 7.89311 secs

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Mon Feb 23:07:54:32 2004

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: February 20, 2004, 13:31:02 ; Search time 18.046 Seconds
(without alignments)
2761.047 Million cell updates/sec

Title: US-09-499-662-109

Perfect score: 1245
Sequence: 1 METDTLLMVLWLVGSGTGTG.....FTVHGLSSPYKSPKRNRCG 238Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 801455 seqs, 209382283 residues

801455

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0
Maximum DB seq length: 2000000000Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database:

Published Applications AA:*

- 1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
- 3: /cgn2_6/ptodata/1/pubpaa/US05_PUBCOMB.pep.*
- 4: /cgn2_6/ptodata/1/pubpaa/US04_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/1/pubpaa/US03_PUBCOMB.pep.*
- 6: /cgn2_6/ptodata/1/pubpaa/US02_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/1/pubpaa/US01_PUBCOMB.pep.*
- 8: /cgn2_6/ptodata/1/pubpaa/US00_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
- 13: /cgn2_6/ptodata/1/pubpaa/US05_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/1/pubpaa/US04_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/1/pubpaa/US03_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/1/pubpaa/US02_PUBCOMB.pep.*
- 17: /cgn2_6/ptodata/1/pubpaa/US01_PUBCOMB.pep.*
- 18: /cgn2_6/ptodata/1/pubpaa/US00_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the total score distribution, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1245	100.0	238	US-10-384-933-109	Sequence 109, App
2	1245	100.0	238	US-10-216-484-109	Sequence 109, App
3	1239	99.5	238	US-10-384-933-52	Sequence 52, App
4	1239	99.5	238	US-10-216-484-52	Sequence 52, App
5	1231	98.9	238	US-10-384-933-54	Sequence 54, App
6	1231	98.9	238	US-10-216-484-54	Sequence 54, App
7	1207	96.9	238	US-10-384-933-107	Sequence 107, App
8	1207	96.9	238	US-10-216-484-107	Sequence 107, App
9	1195	96.0	238	US-10-384-933-50	Sequence 50, App
10	1195	96.0	238	US-10-216-484-50	Sequence 50, App
11	1158	93.0	238	US-10-384-933-129	Sequence 129, App
12	1158	93.0	238	US-10-216-484-129	Sequence 129, App
13	1155	92.8	238	US-10-384-933-131	Sequence 131, App
14	1155	92.8	238	US-10-216-484-131	Sequence 131, App
15	1154	92.7	238	US-10-384-933-127	Sequence 127, App

US-09-499-662-109.rapb

16	1154	92.7	238	US-10-216-484-127	Sequence 127, App
17	1128	90.6	238	US-10-353-708-38	Sequence 38, App
18	1128	90.6	238	US-10-353-708-56	Sequence 56, App
19	1128	90.6	238	US-10-171-452A-38	Sequence 38, App
20	1128	90.6	238	US-10-171-452A-56	Sequence 56, App
21	1118	89.8	238	US-10-353-708-44	Sequence 44, App
22	1118	89.8	238	US-10-353-708-50	Sequence 50, App
23	1118	89.8	238	US-10-171-452A-44	Sequence 44, App
24	1118	89.8	238	US-10-171-452A-50	Sequence 50, App
25	1038.5	83.4	235	US-10-153-382-7	Sequence 7, App
26	1031	82.7	218	US-09-917-410-2	Sequence 2, App
27	1030	82.7	218	US-09-925-179-67	Sequence 67, App
28	1027	82.5	240	US-10-449-566-98	Sequence 98, App
29	1025	82.3	236	US-10-159-006-36	Sequence 36, App
30	1024	82.2	234	US-09-859-053-34	Sequence 34, App
31	1021.5	82.0	233	US-10-153-382-11	Sequence 11, App
32	1020	81.9	218	US-10-153-382-11	Sequence 11, App
33	1020	81.9	218	US-10-353-708-39	Sequence 39, App
34	1020	81.9	218	US-10-353-708-57	Sequence 57, App
35	1020	81.9	218	US-10-171-452A-39	Sequence 39, App
36	1020	81.8	218	US-10-171-452A-57	Sequence 57, App
37	1019	81.7	218	US-10-449-566-119	Sequence 119, App
38	1017	81.7	218	US-09-802-077-9	Sequence 9, App
39	1017	81.7	218	US-09-802-096-9	Sequence 9, App
40	1017	81.7	218	US-09-920-171-13	Sequence 13, App
41	1017	81.7	218	US-09-925-179-9	Sequence 9, App
42	1017	81.7	218	US-10-113-996-13	Sequence 13, App
43	1017	81.7	218	US-10-449-566-102	Sequence 102, App
44	1017	81.7	218	US-09-859-053-38	Sequence 38, App
45	1010	81.1	218	US-10-353-708-45	Sequence 45, App

ALIGNMENTS

RESULT 1
US-10-384-933-109
Sequence 109, Application US/10384933
Publication No. US2003017081/7A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US2003017081/7A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CTP/HG
CURRENT APPLICATION NUMBER: US/10/384, 933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499, 662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053, 583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 109
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light chain of humanized anti-Fas antibody
OTHER INFORMATION: Chain of humanized anti-Fas antibody
US-10-384-933-109

Query Match 100.0%; Score 1245; DB 12; Length 238;
Best Local Similarity 100.0%; 0; Mismatches 0; Indels 0;
Matches 238; Conservative

QY 1 METDTLLMVLWLVGSGTGTGPTLSTSPGERATLSCKASQSYVDYDGSYNNWY 60
DB 1 METDTLLMVLWLVGSGTGTGPTLSTSPGERATLSCKASQSYVDYDGSYNNWY 60
QY 61 QQQQGGAPRLIYYASNNESGIPDRFSGSGGDTFTLTTHPEEDATYYCOQSNEDR 120

Db 61 QOKRGAAPRLIYAASNLSEGIPIRFGSGSGTDFTLTIHVEEDATYYCCQSNEDPR 120
Qy 121 TFGGTLKLEIKRTVAASVFIIPPSDEQLKSGTASVCLNNFYPREAKVOMKVDNALQS 180
Db 121 TFGGTLKLEIKRTVAASVFIIPPSDEQLKSGTASVCLNNFYPREAKVOMKVDNALQS 180
Qy 181 GNSGESVTEQDSKDYSLSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
Db 181 GNSGESVTEQDSKDYSLSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238

RESULT 2
US-10-216-484-109

; Sequence 109, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 109
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: Chain of humanized anti-Fas antibody
US-10-216-484-109

Query Match 100.0%; Score 1245; DB 15; Length 238;
Best Local Similarity 100.0%; Pred. No. 8.4e-87;
Matches 238; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 METDTILLWVLLWVPGSTGEIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNMWY 60
Db 1 METDTILLWVLLWVPGSTGEIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNMWY 60
Qy 61 QOKRGAAPRLIYAASNLSEGIPIRFGSGSGTDFTLTIHVEEDATYYCCQSNEDPR 120
Db 61 QOKRGAAPRLIYAASNLSEGIPIRFGSGSGTDFTLTIHVEEDATYYCCQSNEDPR 120
Qy 121 TFGGTLKLEIKRTVAASVFIIPPSDEQLKSGTASVCLNNFYPREAKVOMKVDNALQS 180
Db 121 TFGGTLKLEIKRTVAASVFIIPPSDEQLKSGTASVCLNNFYPREAKVOMKVDNALQS 180
Qy 181 GNSGESVTEQDSKDYSLSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
Db 181 GNSGESVTEQDSKDYSLSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238

RESULT 3
US-10-384-933-52

; Sequence 52, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933

; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 52
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: Chain of humanized anti-Fas antibody
US-10-384-933-52

Query Match 99.5%; Score 1239; DB 12; Length 238;
Best Local Similarity 99.2%; Pred. No. 2.4e-86;
Matches 236; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 METDTILLWVLLWVPGSTGEIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNMWY 60
Db 1 METDTILLWVLLWVPGSTGEIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNMWY 60
Qy 61 QOKRGAAPRLIYAASNLSEGIPIRFGSGSGTDFTLTIHVEEDATYYCCQSNEDPR 120
Db 61 QOKRGAAPRLIYAASNLSEGIPIRFGSGSGTDFTLTIHVEEDATYYCCQSNEDPR 120
Qy 121 TFGGTLKLEIKRTVAASVFIIPPSDEQLKSGTASVCLNNFYPREAKVOMKVDNALQS 180
Db 121 TFGGTLKLEIKRTVAASVFIIPPSDEQLKSGTASVCLNNFYPREAKVOMKVDNALQS 180
Qy 181 GNSGESVTEQDSKDYSLSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
Db 181 GNSGESVTEQDSKDYSLSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238

RESULT 4
US-10-216-484-52

; Sequence 52, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 52
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: Chain of humanized anti-Fas antibody
US-10-216-484-52

Query Match 99.5%; Score 1239; DB 15; Length 238;
Best Local Similarity 99.2%; Pred. No. 2.4e-86;
Matches 236; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 METDTILLWVLLWVPGSTGEIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNMWY 60
Db 1 METDTILLWVLLWVPGSTGEIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNMWY 60
Qy 61 QOKRGAAPRLIYAASNLSEGIPIRFGSGSGTDFTLTIHVEEDATYYCCQSNEDPR 120

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Db 61 OOKPGQAPRLIYAASNLSEGIIPDRFSGSGSDFTLTHPVEEDAAATYCCQSNEDPR 120
 121 TFGCGTLEIKRTVAAPSVFIIPPSPDEOLKSGTASVCLANNFYPEAKVQWKVNALQS 180
 121 TFGCGTLEIKRTVAAPSVFIIPPSPDEOLKSGTASVCLANNFYPEAKVQWKVNALQS 180
 181 GNSQESVTEODSKDSTYSLSSTLTLSKADYEKHKYACEVTHQGLSPPTKSFNRGEC 238
 181 GNSQESVTEODSKDSTYSLSSTLTLSKADYEKHKYACEVTHQGLSPPTKSFNRGEC 238
 181 GNSQESVTEODSKDSTYSLSSTLTLSKADYEKHKYACEVTHQGLSPPTKSFNRGEC 238

RESULT 5
 US-10-384-933-54
 Sequence 54, Application US/10384933

GENERAL INFORMATION:
 Publication No. US20030170817A1
 GENERAL INFORMATION:
 Serizawa, No. US20030170817A1ufusa
 APPLICANT: Serizawa, No. US20030170817A1ufusa
 APPLICANT: Haruyama, Hideyuki
 APPLICANT: Nakahara, Kaori
 APPLICANT: Takahashi, Ikuko
 APPLICANT: Takahashi, Tohru
 TITLE OF INVENTION: Anti-Fas Antibodies
 FILE REFERENCE: 980126CIP/HG
 CURRENT APPLICATION NUMBER: US/10/384,933
 CURRENT FILING DATE: 2003-02-05
 PRIOR APPLICATION NUMBER: US/09/499,662
 PRIOR FILING DATE: 2000-02-09
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
 PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
 PRIOR FILING DATE: 1998-04-01
 NUMBER OF SEQ ID NOS: 165
 SEQ ID NO 54
 LENGTH: 238
 TYPE: PRT
 ORGANISM: Artificial Sequence
 FEATURE: Description of Artificial Sequence: Designed light
 OTHER INFORMATION: chain of humanized anti-Fas antibody
 US-10-384-933-54

Query Match 98.9%; Score 1231; DB 12; Length 238;
 Best Local Similarity 98.3%; Pred. No. 9.7e-86; Indels 0; Gaps 0;
 Matches 234; Conservative 1; Mismatches 1;
 Db 1 METDTILMWLLMWPGSTGEIVLTOSPGTSLSPGERATLSCASQSVYDGDSTYNNWY 60
 1 METDTILMWLLMWPGSTGEIVLTOSPGTSLSPGERATLSCASQSVYDGDSTYNNWY 60
 61 OOKPGQAPRLIYAASNLSEGIIPDRFSGSGSDFTLTHPVEEDAAATYCCQSNEDPR 120
 61 OOKPGQAPRLIYAASNLSEGIIPDRFSGSGSDFTLTHPVEEDAAATYCCQSNEDPR 120
 61 OOKPGQAPRLIYAASNLSEGIIPDRFSGSGSDFTLTHPVEEDAAATYCCQSNEDPR 120
 121 TFGCGTLEIKRTVAAPSVFIIPPSPDEOLKSGTASVCLANNFYPEAKVQWKVNALQS 180
 121 TFGCGTLEIKRTVAAPSVFIIPPSPDEOLKSGTASVCLANNFYPEAKVQWKVNALQS 180
 121 TFGCGTLEIKRTVAAPSVFIIPPSPDEOLKSGTASVCLANNFYPEAKVQWKVNALQS 180
 181 GNSQESVTEODSKDSTYSLSSTLTLSKADYEKHKYACEVTHQGLSPPTKSFNRGEC 238
 181 GNSQESVTEODSKDSTYSLSSTLTLSKADYEKHKYACEVTHQGLSPPTKSFNRGEC 238
 181 GNSQESVTEODSKDSTYSLSSTLTLSKADYEKHKYACEVTHQGLSPPTKSFNRGEC 238

RESULT 6
 US-10-216-484-54
 Sequence 54, Application US/10216484

GENERAL INFORMATION:
 Publication No. US20030103976A1ufusa
 GENERAL INFORMATION:
 Serizawa, No. US20030103976A1ufusa
 APPLICANT: Serizawa, No. US20030103976A1ufusa
 APPLICANT: Haruyama, Hideyuki
 APPLICANT: Nakahara, Kaori
 APPLICANT: Takahashi, Ikuko
 APPLICANT: Takahashi, Tohru
 TITLE OF INVENTION: Anti-Fas Antibodies
 FILE REFERENCE: 980126CIP/HG

CURRENT APPLICATION NUMBER: US/10/216,484
 CURRENT FILING DATE: 2002-08-09
 PRIOR APPLICATION NUMBER: US/09/499,662
 PRIOR FILING DATE: 2000-02-09
 PRIOR APPLICATION NUMBER: US 09/053,583
 PRIOR FILING DATE: 1998-04-01
 PRIOR FILING DATE: 1998-04-01
 NUMBER OF SEQ ID NOS: 165
 SEQ ID NO 54
 LENGTH: 238
 TYPE: PRT
 ORGANISM: Artificial Sequence
 FEATURE: Description of Artificial Sequence: Designed light
 OTHER INFORMATION: chain of humanized anti-Fas antibody
 US-10-216-484-54

Query Match 98.9%; Score 1231; DB 15; Length 238;
 Best Local Similarity 98.3%; Pred. No. 9.7e-86; Indels 0; Gaps 0;
 Matches 234; Conservative 1; Mismatches 1;
 Db 1 METDTILMWLLMWPGSTGEIVLTOSPGTSLSPGERATLSCASQSVYDGDSTYNNWY 60
 1 METDTILMWLLMWPGSTGEIVLTOSPGTSLSPGERATLSCASQSVYDGDSTYNNWY 60
 61 OOKPGQAPRLIYAASNLSEGIIPDRFSGSGSDFTLTHPVEEDAAATYCCQSNEDPR 120
 61 OOKPGQAPRLIYAASNLSEGIIPDRFSGSGSDFTLTHPVEEDAAATYCCQSNEDPR 120
 61 OOKPGQAPRLIYAASNLSEGIIPDRFSGSGSDFTLTHPVEEDAAATYCCQSNEDPR 120
 121 TFGCGTLEIKRTVAAPSVFIIPPSPDEOLKSGTASVCLANNFYPEAKVQWKVNALQS 180
 121 TFGCGTLEIKRTVAAPSVFIIPPSPDEOLKSGTASVCLANNFYPEAKVQWKVNALQS 180
 121 TFGCGTLEIKRTVAAPSVFIIPPSPDEOLKSGTASVCLANNFYPEAKVQWKVNALQS 180
 181 GNSQESVTEODSKDSTYSLSSTLTLSKADYEKHKYACEVTHQGLSPPTKSFNRGEC 238
 181 GNSQESVTEODSKDSTYSLSSTLTLSKADYEKHKYACEVTHQGLSPPTKSFNRGEC 238
 181 GNSQESVTEODSKDSTYSLSSTLTLSKADYEKHKYACEVTHQGLSPPTKSFNRGEC 238

RESULT 7
 US-10-384-933-107
 Sequence 107, Application US/10384933

GENERAL INFORMATION:
 Publication No. US20030170817A1ufusa
 GENERAL INFORMATION:
 Serizawa, No. US20030170817A1ufusa
 APPLICANT: Serizawa, No. US20030170817A1ufusa
 APPLICANT: Haruyama, Hideyuki
 APPLICANT: Nakahara, Kaori
 APPLICANT: Takahashi, Ikuko
 APPLICANT: Takahashi, Tohru
 TITLE OF INVENTION: Anti-Fas Antibodies
 FILE REFERENCE: 980126CIP/HG
 CURRENT APPLICATION NUMBER: US/10/384,933
 CURRENT FILING DATE: 2003-02-05
 PRIOR APPLICATION NUMBER: US/09/499,662
 PRIOR FILING DATE: 2000-02-09
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
 PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
 PRIOR FILING DATE: 1998-04-01
 NUMBER OF SEQ ID NOS: 165
 SEQ ID NO 107
 LENGTH: 238
 TYPE: PRT
 ORGANISM: Artificial Sequence
 FEATURE: Description of Artificial Sequence: Designed light
 OTHER INFORMATION: chain of humanized anti-Fas antibody
 US-10-384-933-107

Query Match 96.9%; Score 1207; DB 12; Length 238;
 Best Local Similarity 97.5%; Pred. No. 6.4e-84; Indels 0; Gaps 0;
 Matches 234; Conservative 1; Mismatches 5;
 Db 1 METDTILMWLLMWPGSTGEIVLTOSPGTSLSPGERATLSCASQSVYDGDSTYNNWY 60
 1 METDTILMWLLMWPGSTGEIVLTOSPGTSLSPGERATLSCASQSVYDGDSTYNNWY 60
 1 METDTILMWLLMWPGSTGEIVLTOSPGTSLSPGERATLSCASQSVYDGDSTYNNWY 60

```

Qy 61 QOKGQAPRLIIYAASNLSEGIPIPRFSGSGSGTDTFTLTIHVEEDAAATYYCCQSNEDPR 120
    |||||
Db 61 QOKGQAPRLIIYAASNLSEGIPIPRFSGSGSGTDTFTLTIHVEEDAAATYYCCQSNEDPR 120
Qy 121 TFGGCTLEIKRTVAASVPIFPSPSDQLKSGTASVCLNNFYPREAKVQWKVDNALQS 180
    |||||
Db 121 TFGGCTLEIKRTVAASVPIFPSPSDQLKSGTASVCLNNFYPREAKVQWKVDNALQS 180
Qy 181 GNSQESVTEODSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
    |||||
Db 181 GNSQESVTEODSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

```

RESULT 8

```

US-10-216-484-107
; Sequence 107, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 107
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-107

```

```

Query Match 96.9%; Score 1207; DB 15; Length 238;
Best Local Similarity 97.5%; Pred. No. 6.4e-84;
Matches 232; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

Qy 1 METDTILMLVLLWVPGSTGEIVLTQSPGTLSLSPGERATLSCRAQSVDYDGSYNNMW 60
    |||||
Db 1 METDTILMLVLLWVPGSTGEIVLTQSPGTLSLSPGERATLSCRAQSVDYDGSYNNMW 60
Qy 61 QOKGQAPRLIIYAASNLSEGIPIPRFSGSGSGTDTFTLTIHVEEDAAATYYCCQSNEDPR 120
    |||||
Db 61 QOKGQAPRLIIYAASNLSEGIPIPRFSGSGSGTDTFTLTIHVEEDAAATYYCCQSNEDPR 120
Qy 121 TFGGCTLEIKRTVAASVPIFPSPSDQLKSGTASVCLNNFYPREAKVQWKVDNALQS 180
    |||||
Db 121 TFGGCTLEIKRTVAASVPIFPSPSDQLKSGTASVCLNNFYPREAKVQWKVDNALQS 180
Qy 181 GNSQESVTEODSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
    |||||
Db 181 GNSQESVTEODSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

```

RESULT 9

```

US-10-384-933-50
; Sequence 50, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies

```

```

; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 50
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-50

```

```

Query Match 96.0%; Score 1195; DB 12; Length 238;
Best Local Similarity 96.2%; Pred. No. 5.2e-83;
Matches 229; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

Qy 1 METDTILMLVLLWVPGSTGEIVLTQSPGTLSLSPGERATLSCRAQSVDYDGSYNNMW 60
    |||||
Db 1 METDTILMLVLLWVPGSTGEIVLTQSPGTLSLSPGERATLSCRAQSVDYDGSYNNMW 60
Qy 61 QOKGQAPRLIIYAASNLSEGIPIPRFSGSGSGTDTFTLTIHVEEDAAATYYCCQSNEDPR 120
    |||||
Db 61 QOKGQAPRLIIYAASNLSEGIPIPRFSGSGSGTDTFTLTIHVEEDAAATYYCCQSNEDPR 120
Qy 121 TFGGCTLEIKRTVAASVPIFPSPSDQLKSGTASVCLNNFYPREAKVQWKVDNALQS 180
    |||||
Db 121 TFGGCTLEIKRTVAASVPIFPSPSDQLKSGTASVCLNNFYPREAKVQWKVDNALQS 180
Qy 181 GNSQESVTEODSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
    |||||
Db 181 GNSQESVTEODSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

```

RESULT 10

```

US-10-216-484-50
; Sequence 50, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 50
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-50

```

```

Query Match 96.0%; Score 1195; DB 15; Length 238;
Best Local Similarity 96.2%; Pred. No. 5.2e-83;
Matches 229; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

Qy 1 METDTILMLVLLWVPGSTGEIVLTQSPGTLSLSPGERATLSCRAQSVDYDGSYNNMW 60
    |||||
Db 1 METDTILMLVLLWVPGSTGEIVLTQSPGTLSLSPGERATLSCRAQSVDYDGSYNNMW 60

```



```
QY 61 QOKGQAPRLIIYAASNLSEGIIPDRFSSGSGTDTFTLTIHVEEDATYYCOOSNEPR 120
DB 61 QOKGQAPRLIIYAASNLSEGIIPDRFSSGSGTDTFTLTIHVEEDATYYCOOSNEPR 120
QY 121 TFGGQTLKLEIKRTVAAPSVFIIPPSPDEQLKSGTASVCLNNFYPREAKVOMKYDNALOS 180
DB 121 TFGGQTLKLEIKRTVAAPSVFIIPPSPDEQLKSGTASVCLNNFYPREAKVOMKYDNALOS 180
QY 181 GNSQSVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTSFNRGEC 238
DB 181 GNSQSVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTSFNRGEC 238

RESULT 11
US-10-384-933-129
; Sequence 129, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 129
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: Chain of humanized anti-Fas antibody
US-10-384-933-129

Query Match 93.0%; Score 1158; DB 12; Length 238;
Best Local Similarity 92.0%; Pred. No. 3.3e-80;
Matches 219; Conservative 10; Mismatches 9; Indels 0; Gaps 0;

QY 1 METDTILLWVLLWVPGSTGRIIVLTQSPGTLSLSPGERATLISCRASQSVVDYDGSYNNMWY 60
DB 1 METDTILLWVLLWVPGSTGRIIVLTQSPGTLSLSPGERATLISCRASQSVVDYDGSYNNMWY 60
QY 61 QOKGQAPRLIIYAASNLSEGIIPDRFSSGSGTDTFTLTIHVEEDATYYCOOSNEPR 120
DB 61 QOKGQAPRLIIYAASNLSEGIIPDRFSSGSGTDTFTLTIHVEEDATYYCOOSNEPR 120
QY 121 TFGGQTLKLEIKRTVAAPSVFIIPPSPDEQLKSGTASVCLNNFYPREAKVOMKYDNALOS 180
DB 121 TFGGQTLKLEIKRTVAAPSVFIIPPSPDEQLKSGTASVCLNNFYPREAKVOMKYDNALOS 180
QY 181 GNSQSVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTSFNRGEC 238
DB 181 GNSQSVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTSFNRGEC 238

RESULT 12
US-10-216-484-129
; Sequence 129, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
```

```
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 129
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: Chain of humanized anti-Fas antibody
US-10-216-484-129

Query Match 93.0%; Score 1158; DB 15; Length 238;
Best Local Similarity 92.0%; Pred. No. 3.3e-80;
Matches 219; Conservative 10; Mismatches 9; Indels 0; Gaps 0;

QY 1 METDTILLWVLLWVPGSTGRIIVLTQSPGTLSLSPGERATLISCRASQSVVDYDGSYNNMWY 60
DB 1 METDTILLWVLLWVPGSTGRIIVLTQSPGTLSLSPGERATLISCRASQSVVDYDGSYNNMWY 60
QY 61 QOKGQAPRLIIYAASNLSEGIIPDRFSSGSGTDTFTLTIHVEEDATYYCOOSNEPR 120
DB 61 QOKGQAPRLIIYAASNLSEGIIPDRFSSGSGTDTFTLTIHVEEDATYYCOOSNEPR 120
QY 121 TFGGQTLKLEIKRTVAAPSVFIIPPSPDEQLKSGTASVCLNNFYPREAKVOMKYDNALOS 180
DB 121 TFGGQTLKLEIKRTVAAPSVFIIPPSPDEQLKSGTASVCLNNFYPREAKVOMKYDNALOS 180
QY 181 GNSQSVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTSFNRGEC 238
DB 181 GNSQSVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTSFNRGEC 238

RESULT 13
US-10-384-933-131
; Sequence 131, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 131
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: Chain of humanized anti-Fas antibody
US-10-384-933-131

Query Match 92.8%; Score 1155; DB 12; Length 238;
Best Local Similarity 92.0%; Pred. No. 5.6e-80;
Matches 219; Conservative 10; Mismatches 9; Indels 0; Gaps 0;

QY 1 METDTILLWVLLWVPGSTGRIIVLTQSPGTLSLSPGERATLISCRASQSVVDYDGSYNNMWY 60
```

```

Db      1 METDTILLMVLWVPGSTGDIYLTQSPSSLSASVGDRAVITTCASQSVYDGDSYNNWY 60
Qy      61 OOKPGOAPRLIIVYASNLSESGIPDRFSGSGSGTDFTLTIHPVEBEDAATYYCOQSNEDPR 120
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      61 OOKPGAKPKLIIYASNLSESGIPSRFSGSGSGTDFTLTISSLOPEDPATYYCOQSNEDPR 120
Qy      121 TFGGCTKLEIKRTVAAPSVFIFPPSDEQLKSGTASVVCCLNNFYPREAKVQWKVDNALQ 180
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      121 TFGGCTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVVCCLNNFYPREAKVQWKVDNALQ 180
Qy      181 GNSQESVTEQDSKDSSTYLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      181 GNSQESVTEQDSKDSSTYLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

```

RESULT 14
US-10-216-484-131

```

; Sequence 131, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ichiro
; APPLICANT: Takahashi, Toru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 131
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-131

```

Query Match 92.8%; Score 1155; DB 15; Length 238;
Best Local Similarity 92.0%; Pred. No. 5.6e-80;
Matches 219; Conservative 10; Mismatches 9; Indels 0; Gaps 0;

```

Qy      1 METDTILLMVLWVPGSTGDIYLTQSPGTLISLSPGERATLSCAKASQSVYDGDSYNNWY 60
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      1 METDTILLMVLWVPGSTGDIYLTQSPSSLSASVGDRAVITTCASQSVYDGDSYNNWY 60
Qy      61 OOKPGOAPRLIIVYASNLSESGIPDRFSGSGSGTDFTLTIHPVEBEDAATYYCOQSNEDPR 120
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      61 OOKPGAKPKLIIYASNLSESGIPSRFSGSGSGTDFTLTISSLOPEDPATYYCOQSNEDPR 120
Qy      121 TFGGCTKLEIKRTVAAPSVFIFPPSDEQLKSGTASVVCCLNNFYPREAKVQWKVDNALQ 180
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      121 TFGGCTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVVCCLNNFYPREAKVQWKVDNALQ 180
Qy      181 GNSQESVTEQDSKDSSTYLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      181 GNSQESVTEQDSKDSSTYLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

```

RESULT 15
US-10-384-933-127

```

; Sequence 127, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tagaki, Ichiro

```

```

; APPLICANT: Takahashi, Toru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; PRIOR FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 127
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-127

```

Query Match 92.7%; Score 1154; DB 12; Length 238;
Best Local Similarity 91.6%; Pred. No. 6.6e-80;
Matches 218; Conservative 11; Mismatches 9; Indels 0; Gaps 0;

```

Qy      1 METDTILLMVLWVPGSTGDIYLTQSPGTLISLSPGERATLSCAKASQSVYDGDSYNNWY 60
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      1 METDTILLMVLWVPGSTGDIYLTQSPSSLSASVGDRAVITTCASQSVYDGDSYNNWY 60
Qy      61 OOKPGOAPRLIIVYASNLSESGIPDRFSGSGSGTDFTLTIHPVEBEDAATYYCOQSNEDPR 120
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      61 OOKPGAKPKLIIYASNLSESGIPSRFSGSGSGTDFTLTISSLOPEDPATYYCOQSNEDPR 120
Qy      121 TFGGCTKLEIKRTVAAPSVFIFPPSDEQLKSGTASVVCCLNNFYPREAKVQWKVDNALQ 180
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      121 TFGGCTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVVCCLNNFYPREAKVQWKVDNALQ 180
Qy      181 GNSQESVTEQDSKDSSTYLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      181 GNSQESVTEQDSKDSSTYLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

```

Search completed: February 20, 2004, 14:25:33
Job time : 18.0486 secs

Mon Feb 23 07:54:33 2004

US-09-499-662-117.rat

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OW protein - protein search, using sw model

Run on: February 20, 2004, 13:23:52 ; Search time 15.5872 Seconds
(Without alignments)
1275.794 Million cell updates/sec

Title: US-09-499-662-117

Sequence: 1 MGSCLILFLVATATGVHSQ.....MHKALNNHTQKSLSPCK 470

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgm2_6/ptodata/1/iaa/5A COMB pep:*
2: /cgm2_6/ptodata/1/iaa/5B COMB pep:*
3: /cgm2_6/ptodata/1/iaa/6A COMB pep:*
4: /cgm2_6/ptodata/1/iaa/6B COMB pep:*
5: /cgm2_6/ptodata/1/iaa/PCTUS COMB pep:*
6: /cgm2_6/ptodata/1/iaa/backfill1 pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2252	89.5	472	US-09-301-593-43	Sequence 43, Appl
2	2229	88.6	449	US-08-458-516-13	Sequence 13, Appl
3	2227	88.5	476	US-08-378-939-10	Sequence 10, Appl
4	2199.5	87.4	467	US-09-049-672A-8	Sequence 8, Appl
5	2197.5	87.3	452	US-09-026-985-71	Sequence 71, Appl
6	2197.5	87.3	452	US-09-026-985-71	Sequence 71, Appl
7	2197.5	87.3	452	US-09-121-952A-71	Sequence 71, Appl
8	2197.5	87.3	452	US-09-234-340A-71	Sequence 71, Appl
9	2197.5	87.3	452	US-09-301-593-30	Sequence 30, Appl
10	2174	86.4	468	US-09-485-737B-67	Sequence 67, Appl
11	2174	86.4	711	US-09-485-737B-67	Sequence 67, Appl
12	2161.5	85.9	454	US-07-934-373C-22	Sequence 22, Appl
13	2161.5	85.9	454	US-08-437-642B-22	Sequence 22, Appl
14	2161.5	85.9	454	US-08-146-206C-22	Sequence 22, Appl
15	2161.5	85.9	454	PCT-US93-07832-22	Sequence 22, Appl
16	2157.5	85.7	453	US-09-301-593-18	Sequence 18, Appl
17	2141	85.1	472	US-08-793-450-8	Sequence 8, Appl
18	2121	84.3	451	US-08-887-352B-16	Sequence 16, Appl
19	2121	84.3	451	US-08-887-352B-16	Sequence 16, Appl
20	2121	84.3	451	US-08-466-151-65	Sequence 65, Appl
21	2121	84.3	451	US-09-109-207C-14	Sequence 14, Appl
22	2121	84.3	451	US-09-109-207C-16	Sequence 16, Appl
23	2121	84.3	451	US-09-296-005-14	Sequence 14, Appl
24	2121	84.3	451	US-09-296-005-16	Sequence 16, Appl
25	2118	84.1	478	US-08-487-550-8	Sequence 8, Appl
26	2118	84.1	478	US-09-526-098-8	Sequence 8, Appl
27	2113	83.9	451	US-08-887-352B-18	Sequence 18, Appl

28	2113	83.9	451	3	US-09-109-207C-18	Sequence 18, Appl
29	2113	83.9	451	3	US-09-282-505-2	Sequence 2, Appl
30	2113	83.9	451	3	US-09-054-255-2	Sequence 2, Appl
31	2113	83.9	451	3	US-09-296-005-18	Sequence 18, Appl
32	2113	83.9	451	4	US-09-282-846-2	Sequence 2, Appl
33	2113	83.9	451	4	US-09-680-145-2	Sequence 2, Appl
34	2102	83.5	453	3	US-08-466-151-8	Sequence 8, Appl
35	2102	83.5	453	3	US-08-466-151-8	Sequence 8, Appl
36	2100.5	83.4	467	2	US-07-916-098A-45	Sequence 45, Appl
37	2099.5	83.4	449	4	US-09-679-397-2	Sequence 2, Appl
38	2099.5	83.4	449	4	US-09-680-148-2	Sequence 2, Appl
39	2099.5	83.4	449	4	US-09-304-465A-2	Sequence 23, Appl
40	2096.5	83.3	552	5	PCT-US93-07832-23	Sequence 23, Appl
41	2093.5	83.2	469	2	US-07-934-373C-23	Sequence 23, Appl
42	2093.5	83.2	469	3	US-08-437-642B-23	Sequence 23, Appl
43	2093.5	83.2	469	4	US-08-146-206C-23	Sequence 23, Appl
44	2093	83.2	451	4	US-09-247-352-3	Sequence 3, Appl
45	2093	83.2	451	4	US-09-466-635-3	Sequence 3, Appl

ALIGNMENTS

RESULT 1									
US-09-301-593-43									
Sequence 43, Application US/09301593A									
Patent No. 6455677									
GENERAL INFORMATION:									
APPLICANT: Park, John E.									
APPLICANT: Garin-Chesa, Pilar									
APPLICANT: Bandberger, Uwe									
APPLICANT: Leiger, Olivier									
APPLICANT: Saldanha, Jose W.									
APPLICANT: Retlich, Wolfgang J.									
TITLE OR INVENTION: FAP-specific Antibody with Improved Productibility									
PTE REFERENCE: 0652.1890001									
CURRENT APPLICATION NUMBER: US/09/301,593A									
CURRENT FILING DATE: 1999-04-29									
EARLIER APPLICATION NUMBER: EP 98107925.4									
EARLIER FILING DATE: 1998-04-30									
EARLIER APPLICATION NUMBER: US 60/086,049									
EARLIER FILING DATE: 1998-05-18									
NUMBER OF SEQ ID NOS: 108									
SOFTWARE: PatentIn Ver. 2.0									
SEQ ID NO 43									
LENGTH: 472									
TYPE: PRT									
ORGANISM: Homo sapiens									
US-09-301-593-43									
Query Match									
Best local Similarity 90.3%; Pred. No. 2.4e-161; Indels 4; Gaps 2;									
Matches 427; Conservative 12; Mismatches 30;									
QY	1	MGSCLILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKGSGTFTSYNNQWYKDP	60						
DB	1	MMTKRVFCLVAAGASQVQLVQSGAEVKKPGASVKVSCKSRFTFTTHWRQAP	60						
QY	61	GGLFWGGEIDSDSYTNNQFKKATLTDTSTNAYEISIRSEDAVYYCARNR	119						
DB	61	GLFWGGEIDSDSYTNNQFKKATLTDTSTNAYEISIRSEDAVYYCARNR	119						
QY	120	--DYSNNWTFDVGEGTLTVTSASTKGPVFPAPASSKSTSGTAALGCIYKVPPEPV	177						
DB	120	--DYSNNWTFDVGEGTLTVTSASTKGPVFPAPASSKSTSGTAALGCIYKVPPEPV	177						
QY	121	AYGDEGHANDVYGQGLTVTS--STKGPVFPAPASSKSTSGTAALGCIYKVPPEPV	179						
DB	121	AYGDEGHANDVYGQGLTVTS--STKGPVFPAPASSKSTSGTAALGCIYKVPPEPV	179						
QY	178	TVSNWSGALTSGVHTFPAYVQSGLYSVTVPSSTIGTQTYICNNHKKPSNTKDKR	237						
DB	178	TVSNWSGALTSGVHTFPAYVQSGLYSVTVPSSTIGTQTYICNNHKKPSNTKDKR	237						
QY	180	TVSNWSGALTSGVHTFPAYVQSGLYSVTVPSSTIGTQTYICNNHKKPSNTKDKR	239						
DB	180	TVSNWSGALTSGVHTFPAYVQSGLYSVTVPSSTIGTQTYICNNHKKPSNTKDKR	239						
QY	228	VEPSCKTKTCPCPCPAPBLAGPSVFLPPPKXTLTMSRTPETCVVVDVSHDEPDK	297						
DB	228	VEPSCKTKTCPCPCPAPBLAGPSVFLPPPKXTLTMSRTPETCVVVDVSHDEPDK	297						
QY	240	VEPSCKTKTCPCPCPAPBLAGPSVFLPPPKXTLTMSRTPETCVVVDVSHDEPDK	299						
DB	240	VEPSCKTKTCPCPCPAPBLAGPSVFLPPPKXTLTMSRTPETCVVVDVSHDEPDK	299						

QY 298 FNTYVDGEVHNATKPREQYNSTYRVSVLTVLHODMLNGKEYCKVSNKALPAPLEK 357
DB 300 FNTYVDGEVHNATKPREQYNSTYRVSVLTVLHODMLNGKEYCKVSNKALPAPLEK 359
QY 358 TISAKQOPREPQYITLPPSREMTKNQVSLTCLVKGYPSDIAVEMSNQPPENNYKTT 417
DB 360 TISAKQOPREPQYITLPPSREMTKNQVSLTCLVKGYPSDIAVEMSNQPPENNYKTT 419
QY 418 PPVLDSDGSFFLYSKLTVDKSRMOQGNVFCSCVHHEALHNHYTOKSLSPGK 470
DB 420 PPVLDSDGSFFLYSKLTVDKSRMOQGNVFCSCVHHEALHNHYTOKSLSPGK 472

RESULT 2

US-08-458-516-13
Sequence 13, Application US/08458516
Patent No. 5777085
GENERAL INFORMATION:
APPLICANT: Co, Man Sung
APPLICANT: Tso, J. Yun
TITLE OF INVENTION: Humanized Antibodies Reactive with
TITLE OF INVENTION: GPIIB/IIIA
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: William M. Smith
STREET: One Market Plaza, Steuart Tower, Suite 2000
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/458, 516
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/059,159
FILING DATE: 03-MAY-1993
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 11823-37-3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2400
TELEFAX: 415-326-2422
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 449 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-458-516-13

Query Match 88.6%; Score 2229; DB 1; Length 449;
Best Local Similarity 92.9%; Pred. No. 1.2e-159;
Matches 419; Conservative 15; Mismatches 15; Indels 2; Gaps 2;

QY 20 QVOLVQSGAEVKKGASVYVCKKASGYFTSYMMQMVQAPGQGLNMGIDPSDSYTNV 79
DB 1 QVOLVQSGAEVKKGASVYVCKKASGYFTSYMMQMVQAPGQGLNMGIDPSDSYTNV 60
QY 80 NQKFKGATLTVDTSTAYVWELSLRSEDYAVYYCAARNRYSNNWYFDVWEGTLTVS 139
DB 61 NEKFKGATLTVDTSTAYVWELSLRSEDYAVYYCAARNRYSNNWYFDVWEGTLTVS 118
QY 140 SASKGGSVPLPLASSKSTSGCTALGCLVDYDPPPEPTVWNSGALTSVHTPAVLQS 199
DB 1 MDWTRFLPVVAATGVSQMVQVQSGAEVKKGASVYVCKKASGYFTSYMMQMVQAP 60

DB 119 SASTKGPVFPPLABSSKSTSGCTALGCLVDYDPPPEPTVWNSGALTSVHTPAVLQS 178
QY 200 SGLYSLSSVTVTPSSSLGTQTYICNVNHPKPSNTKVDKRVKSCDKTHTCPCPAPELLG 259
DB 179 SGLYSLSSVTVTPSSSLGTQTYICNVNHPKPSNTKVDKRVKSCDKTHTCPCPAPELLG 238
QY 260 GPSVFLFPKPKDTLMSRTPEVTCVVVDVSHPEPEVKFNWYVDGVEVHNATKPREQY 319
DB 239 GPSVFLFPKPKDTLMSRTPEVTCVVVDVSHPEPEVKFNWYVDGVEVHNATKPREQY 298
QY 320 NSTYRVSVLTVLHODMLNGKEYCKVSNKALPAPLEKTSISKAGOPREPQYITLPPSR 379
DB 299 NSTYRVSVLTVLHODMLNGKEYCKVSNKALPAPLEKTSISKAGOPREPQYITLPPSR 358
QY 380 EMTKNQVSLTCLVKGYPSDIAVEMSNQPPENNYKTTPPVLDSDGSFFLYSKLTVDKSR 439
DB 359 EMTKNQVSLTCLVKGYPSDIAVEMSNQPPENNYKTTPPVLDSDGSFFLYSKLTVDKSR 418
QY 440 WQGNVFCSCVHHEALHNHYTOKSLSPGK 470
DB 419 WQGNVFCSCVHHEALHNHYTOKSLSPGK 449

RESULT 3

US-08-378-939-10
Sequence 10, Application US/08378939
Patent No. 5876961
GENERAL INFORMATION:
APPLICANT: CROWE, JAMES SCOTT
APPLICANT: LEWIS, ALAN PETER
TITLE OF INVENTION: PRODUCTION OF ANTIBODIES
NUMBER OF SEQUENCES: 46
CORRESPONDENCE ADDRESS:
ADDRESSEE: ROTHWELL, FIGG, ERNST & KURZ
STREET: 555 THIRTEENTH ST. N.W.
CITY: WASHINGTON
STATE: D. C.
COUNTRY: U.S.
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/378, 939
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/952640
FILING DATE: 01-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: ERNST, BARBARA G
REGISTRATION NUMBER: 30,377
REFERENCE/DOCKET NUMBER: 1808-118
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 783-6040
TELEFAX: (202) 783-6031
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 476 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-378-939-10

Query Match 88.5%; Score 2227; DB 2; Length 476;
Best Local Similarity 88.2%; Pred. No. 1.8e-159;
Matches 420; Conservative 22; Mismatches 28; Indels 6; Gaps 1;

QY 1 MGWSCILPLVATVATGVSQVOLVQSGAEVKKGASVYVCKKASGYFTSYMMQMVQAP 60
DB 1 MDWTRFLPVVAATGVSQMVQVQSGAEVKKGASVYVCKKASGYFTSYMMQMVQAP 60

QY	61	GGGLMMGGIDSDSYTNNOKEGKATLTVPDSTJAVMEJSLSESDPAVYACANR-	119
Db	61	GGGLMMGGITLFLFGPTYSQNFQGRVITITADKSTSTAHMELTSLSESDPAVYCATDRY	120
QY	120	-----DYSNNMYFDVWBGEGTLVTVSASATKBPVFPILAPBSKSTSGGTAALGCLVNDYFP	174
Db	121	QGANFDRARVGMFDPWGQGTILVTVSASATKBPVFPILAPBSKSTSGGTALGCLVNDYFP	180
QY	175	EPVYVSNNSGALTSGVHTPPAVLQSSGLYSLSSVTVPPSSLGTOYITCNVNHKPSNTKY	234
Db	181	EPVYVSNNSGALTSGVHTPPAVLQSSGLYSLSSVTVPPSSLGTOYITCNVNHKPSNTKY	240
QY	235	DKRVBPKSCDKHTHCPDPCAPBELLGAPSVFLFPPKPKDITLMTSRTEVTCVAVDVSHEDP	294
Db	241	DKRVBPKSCDKHTHCPDPCAPBELLGAPSVFLFPPKPKDITLMTSRTEVTCVAVDVSHEDP	300
QY	295	EYKFNMYVDGVEVHNAKTKPREBOYNSYTRVVSVLTVLQDMVLNGEKYCKVSNKALPAP	354
Db	301	EYKFNMYVDGVEVHNAKTKPREBOYNSYTRVVSVLTVLQDMVLNGEKYCKVSNKALPAP	360
QY	355	IEKTISSAKAGPREPOVYTLPPSRBEMTKNQVSLTCLVKGFYPSDIAVEMESNGOEENNY	414
Db	361	IEKTISSAKAGQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEMESNGOEENNY	420
QY	415	KTTPEVLVDSGSEFFLYSKLTVNDSKRMQGNVSCSWHRLAHNHYOKSLISLSPGK	470
Db	421	KTTPEVLVDSGSEFFLYSKLTVNDSKRMQGNVSCSWHRLAHNHYOKSLISLSPGK	476

RESULT 4
 US-09-049-672A-8
 Sequence 8, Application US/09049672A
 Patent No. 6135941
 GENERAL INFORMATION:
 APPLICANT: Hillman, Jennifer L.
 APPLICANT: Lal, Preeti
 APPLICANT: Tang, Y. Tom
 APPLICANT: Yue, Henry
 APPLICANT: Au-Young, Janice
 APPLICANT: Corley, Neil C.
 APPLICANT: Guegler, Karl J.
 APPLICANT: Baughn, Mariah R.
 TITLE OF INVENTION: HUMAN IMMUNE SYSTEM ASSOCIATED PROTEINS
 NUMBER OF SEQUENCES: 28
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Incyte Pharmaceuticals, Inc.
 STREET: 3174 Porter Drive
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94304
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FaesSEQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/049,672A
 FILING DATE: HERWITH
 CLASSIFICATION: 536
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Cerrone, Michael C
 REGISTRATION NUMBER: 39,132
 REFERENCE/DOCKET NUMBER: PF-0497 US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650-855-0555
 TELEFAX: 650-845-4166
 TELEX:
 INFORMATION FOR SEQ ID NO: 8:

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; SEQUENCE CHARACTERISTICS:
; LENGTH: 467 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: LUNGTUT11
; CLONE: 2747531
US-09-049-672A-8

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Query Match	87.4%;	Score 2199.5;	DB 3;	Length 467;
Best Local Similarity	89.0%;	Pred. No. 2.1e-157;		
Matches 413;	Conservative 20;	Mismatches 28;	Indels 3;	Gaps 1;

Qy	11LVLVATGVHSQVQLVQSGAEVKKPKASVYSCKSGYFTSYMMQWVQAFQGLEW	66
Dd	7 ILTLVAAATGTHAQVQLVQSGAEVKKPKASVYSCVTSYGFLLSDLSVHWVRQAFQGLEW	66
Qy	67 MGEIDPSDSTYNQKFGKATLTVDISTSTAINELSLSESDTAVYVYCARNDYSNNWY	126
Dd	67 MGIAGENGEAVAAQKFLGRLTLSEDTADTAVMFLNNLGSSEDAIYYCAROH---YDFP	123
Qy	127 FDMWGGITLVYSSASTGSPSVFPLAPSSKTSGGTALGGLVYDYPEPEVYVSMNSGAL	186
Dd	124 FDMWGGITLVYSSASTGSPSVFPLAPSSKTSGGTALGGLVADYDYPEPEVYVSMNSGAL	183
Qy	187 TSGVTHFPFVAVLQSSGLYSLSSVYVTPSSSLGTOTYVTCNVNHKPSNTVYDKRVEBPS	246
Dd	184 TSGVTHFPFVAVLQSSGLYSLSSVYVTPSSSLGTOTYVTCNVNHKPSNTVYDKRVEBPS	243
Qy	247 HTCPGPCPAPBELLGGSPVFLPPPKPDOTLMISRTBYTCVVVDVSHEDPEVKFMYVYDGE	306
Dd	244 HTCPGPCPAPBELLGGSPVFLPPPKPDOTLMISRTBYTCVVVDVSHEDPEVKFMYVYDGE	303
Qy	307 VNHAKTKPRBEQYNSTYRVSVLYTLVHODMNLGKEYCKYCNKALPAPIEKTISKAKGP	366
Dd	304 VNHAKTKPRBEQYNSTYRVSVLYTLVHODMNLGKEYCKYCNKALPAPIEKTISKAKGP	363
Qy	367 REPOVYTLTPRSEEMTKQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPVYLDSDG	426
Dd	364 REPOVYTLTPRSEEMTKQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPVYLDSDG	423
Qy	427 FFLYSLKLTVDKSRMQGANVFSQVWHEALAHNHYYOKSLSTSPG	470
Dd	424 FFLYSLKLTVDKSRMQGANVFSQVWHEALAHNHYYOKSLSTSPG	467

RESULT 5
US-09-027-449-71
Sequence 71, Application US/09027449
Patent No. 6025158
GENERAL INFORMATION:
APPLICANT: Gonzalez, Tania R.
APPLICANT: Leong, Steven R.
APPLICANT: Presta, Leonard G.
TITLE OF INVENTION: Antibody Fragment-Polymer Conjugates and
TITLE OF INVENTION: Humanized Anti-IL-8 Monoclonal Antibodies
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 MB floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/027,449
FILING DATE: 20-Feb-1998

APPLICANT: Zapata, Gerardo A.
TITLE OF INVENTION: METHODS OF TREATING INFLAMMATORY DISEASES
TITLE OF INVENTION: WITH ANTI-IL-8 ANTIBODY FRAGMENT-POLYMER CONJUGATES
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/121,952A
FILING DATE: 24-Jul-1998
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/074330
FILING DATE: 22-JAN-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/075467
FILING DATE: 20-FEB-1998
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P108584
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 452 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-09-121-952A-71

Query Match 87.3%; Score 2197.5; DB 4; Length 452;
Best Local Similarity 89.8%; Pred. No. 2.8e-157;
Matches 406; Conservative 28; Mismatches 17; Indels 1; Gaps 1;

20 QVQLVQSGAEYKKGASVYKSCASGTYFTSYMMQWVKQAPGGLGEMNGEIDPSDSTNY 79
1 EVQLVQSGGGLVQPGGSLRLSCAASGYSFSSHYMHWQAQPGKLEWGYIDPSNGETTY 60
80 NQKFKGKATLVTDSTSTAYMELSLRSEDTAVYYCAR-NRDYSNNYFDVWGSGTLVTV 138
61 NQKFKGKATLVTDSTSTAYMELSLRSEDTAVYYCAR-NRDYSNNYFDVWGSGTLVTV 120
139 SSASTKGPSVFPPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQ 198
121 SSASTKGPSVFPPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQ 180
199 SSGLYSLSSVTVVSSSLGDTQYICNVNHRKPSNTKVDKRVPEKSCDKTHTCPPEAPRL 258
181 SSGLYSLSSVTVVSSSLGDTQYICNVNHRKPSNTKVDKRVPEKSCDKTHTCPPEAPRL 240
259 GGPSPVLPFPPKPKTLMISRTPEVTCVVVDVSHEDPEVKFMWYDGVVNAKTRPREQ 318
241 GGPSPVLPFPPKPKTLMISRTPEVTCVVVDVSHEDPEVKFMWYDGVVNAKTRPREQ 300
319 YNSTYRVVSVLTVLHODWLNKEKYEKCVSNKALPAPIKTSKAKGQPREPQVYTLPPSR 378
301 YNSTYRVVSVLTVLHODWLNKEKYEKCVSNKALPAPIKTSKAKGQPREPQVYTLPPSR 360
379 EEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFPLYSKLTVDKS 438
361 EEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFPLYSKLTVDKS 420
439 RMQGNVFSGSVMEALHNHYTQKSLSLSPGK 470

DB 421 RMQGNVFSGSVMEALHNHYTQKSLSLSPGK 452

|||||

RESULT 8
US-09-234-340A-71
Sequence 71, Application US/09234340A
Patent No. 6468532
GENERAL INFORMATION:
APPLICANT: Genentech, Inc., HseI, Vanessa
APPLICANT: Koumentis, Iphigenia
APPLICANT: Leong, Steven R.
APPLICANT: Presta, Leonard G.
APPLICANT: Shahrrok, Zahra
APPLICANT: Zapata, Gerardo A.
TITLE OF INVENTION: METHODS OF TREATING INFLAMMATORY DISEASES
TITLE OF INVENTION: WITH ANTI-IL-8 ANTIBODY FRAGMENT-POLYMER CONJUGATES
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/234,340A
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/121,952
FILING DATE: 24-Jul-1998
APPLICATION NUMBER: 60/074330
FILING DATE: 22-JAN-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/075467
FILING DATE: 20-FEB-1998
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P108584
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 452 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-09-234-340A-71

Query Match 87.3%; Score 2197.5; DB 4; Length 452;
Best Local Similarity 89.8%; Pred. No. 2.8e-157;
Matches 406; Conservative 28; Mismatches 17; Indels 1; Gaps 1;

20 QVQLVQSGAEYKKGASVYKSCASGTYFTSYMMQWVKQAPGGLGEMNGEIDPSDSTNY 79
1 EVQLVQSGGGLVQPGGSLRLSCAASGYSFSSHYMHWQAQPGKLEWGYIDPSNGETTY 60
80 NQKFKGKATLVTDSTSTAYMELSLRSEDTAVYYCAR-NRDYSNNYFDVWGSGTLVTV 138
61 NQKFKGKATLVTDSTSTAYMELSLRSEDTAVYYCAR-NRDYSNNYFDVWGSGTLVTV 120
139 SSASTKGPSVFPPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQ 198
121 SSASTKGPSVFPPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQ 180
199 SSGLYSLSSVTVVSSSLGDTQYICNVNHRKPSNTKVDKRVPEKSCDKTHTCPPEAPRL 258

Db 181 SSGYSLSSVTYVSSSSLTGTQTYICNVNHHKPSNTKVDKPKVSCDKHTPCPCPAPBL 240
Qy 259 GGPSEVFLPPPKKOTLMISRTPEVTCVVVDVSHEDPEVKFMNMYDGVVNAKTKPREQ 318
Db 241 GGPSEVFLPPPKKOTLMISRTPEVTCVVVDVSHEDPEVKFMNMYDGVVNAKTKPREQ 300
Qy 319 YNSTYRVVSVLTVLHODMLNGKEYCKVSNKALPAPLEKTSKAKGPREPQVYTLPPSR 378
Db 301 YNSTYRVVSVLTVLHODMLNGKEYCKVSNKALPAPLEKTSKAKGPREPQVYTLPPSR 360
Qy 379 EEMTKNOVSLTCLVKGFPSPDIAVEMESNGQPENNYKTPPVLDSDGFLYSLKLTVDKS 438
Db 361 EEMTKNOVSLTCLVKGFPSPDIAVEMESNGQPENNYKTPPVLDSDGFLYSLKLTVDKS 420
Qy 439 RMOQGNVFSQVMEALHNHTOKSLSLSPGK 470
Db 421 RMOQGNVFSQVMEALHNHTOKSLSLSPGK 452

RESULT 9

US-09-301-593-30

Sequence 30, Application US/09301593A
Patent No. 6453677
GENERAL INFORMATION:
APPLICANT: Park, John E.
APPLICANT: Garin-Chesa, Pilar
APPLICANT: Bamberger, Uwe
APPLICANT: Legier, Olivier
APPLICANT: Saldanha, Jose W.
APPLICANT: Rettig, Wolfgang J.
TITLE OF INVENTION: PAP-specific Antibody with Improved Productibility
FILE REFERENCE: 0652.189001
CURRENT FILING DATE: 1998-04-29
EARLIER FILING DATE: 1998-04-30
EARLIER FILING DATE: 1998-04-30
EARLIER APPLICATION NUMBER: EP 98107925.4
EARLIER FILING DATE: 1998-04-30
EARLIER APPLICATION NUMBER: US 60/086,049
EARLIER FILING DATE: 1998-05-18
NUMBER OF SEQ ID NOS: 108
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 30
LENGTH: 472
TYPE: PRT
ORGANISM: Homo sapiens
US-09-301-593-30

Query Match 87.3%; Score 2197; DB 4; Length 472;
Best Local Similarity 87.7%; Pred. No. 3.2e-157;
Matches 415; Conservative 20; Mismatches 34; Indels 4; Gaps 2;

Qy 1 MGMSCTILFLVATATGVSQVQVLOVSGAEVKKPGASVVSCKASGVTFTSYMOWKQAP 60
Db 1 MGMSCTILFLVATATGVSQVQVLOVSGAEVKKPGASVVSCKASGVTFTSYMOWKQAP 60
Qy 61 GQGLMWMGEIDPDSSTYNQKFKGKATLTVDSTSTAYMELSLRSEDTAVYCARNR- 119
Db 61 GQGLMWMGEIDPDSSTYNQKFKGKATLTVDSTSTAYMELSLRSEDTAVYCARNR- 120
Qy 120 --DYSNMYFVWNGEGTLVTVSSASTKPSVPLAPSSKTSNGTAAAGCLVKDYFPEPV 177
Db 121 AYVDEGHAMDYWGQSTVTVS--STKGPVFPPLAPSSKTSNGTAAAGCLVKDYFPEPV 179
Qy 178 TVSNNSGALTSQVHTFPFPAVLQSSGLYSLSVTVVSSSLGTQTYICNVNHHKPSNTKVDK 237
Db 180 TVSNNSGALTSQVHTFPFPAVLQSSGLYSLSVTVVSSSLGTQTYICNVNHHKPSNTKVDK 239
Qy 238 VEPKSCDKHTPCPCPAPBLGGPSVFLPPPKKOTLMISRTPEVTCVVVDVSHEDPEVK 297
Db 240 VEPKSCDKHTPCPCPAPBLGGPSVFLPPPKKOTLMISRTPEVTCVVVDVSHEDPEVK 299
Qy 298 FNNYVDGVEVNAKTKPREEQNSTYRVVSVLTVLHODMLNGKEYCKVSNKALPAPLEK 357

Db 300 FNNYVDGVEVNAKTKPREEQNSTYRVVSVLTVLHODMLNGKEYCKVSNKALPAPLEK 359
Qy 358 TISRAKQPREPQVYTLPPSRREMTKNQVSLTCLVKGFPSPDIAVEMESNGQPENNYKTT 417
Db 360 TISRAKQPREPQVYTLPPSRREMTKNQVSLTCLVKGFPSPDIAVEMESNGQPENNYKTT 419
Qy 418 PPVLDSDGSPFLYSLKLTVDKSRMOQGNVFSQVMEALHNHTOKSLSLSPGK 470
Db 420 PPVLDSDGSPFLYSLKLTVDKSRMOQGNVFSQVMEALHNHTOKSLSLSPGK 472

RESULT 10

US-09-485-737B-67

Sequence 67, Application US/09485737B
Patent No. 6350860
GENERAL INFORMATION:
APPLICANT: Buyse, Marie-Ange
APPLICANT: Sablon, Erwin
TITLE OF INVENTION: INTERFERON-gamma-BINDING MOLECULES FOR TREATING SEPTIC SHOCK,
FILE REFERENCE: INNS:015
CURRENT FILING DATE: 2000-02-14
PRIOR APPLICATION NUMBER: PCT/EP 98/05165
PRIOR FILING DATE: 1998-08-14
PRIOR APPLICATION NUMBER: EPO 98870139.7
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: EPO 97870122.5
PRIOR FILING DATE: 1997-08-18
NUMBER OF SEQ ID NOS: 104
SOFTWARE: Patentin version 3.0
SEQ ID NO 67
LENGTH: 468
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: SYNTHETIC
US-09-485-737B-67

Query Match 86.4%; Score 2174; DB 4; Length 468;
Best Local Similarity 88.0%; Pred. No. 1.7e-155;
Matches 409; Conservative 21; Mismatches 31; Indels 4; Gaps 1;

Qy 6 IILFLVATATGVSQVQVLOVSGAEVKKPGASVVSCKASGVTFTSYMOWKQAPGGL 65
Db 7 IIFSLISASVILSIOVLOVSGSELKPKGASVKSICASGVTFTSYMOWKQAPGGL 66
Qy 66 WMGEIDSDSTYNQKFKGKATLTVDSTSTAYMELSLRSEDTAVYCARNDYSNNW 125
Db 67 WMGEIDSDSTYNQKFKGKATLTVDSTSTAYMELSLRSEDTAVYCARNDYSNNW 123
Qy 126 YFDWNGEGLTVTVSSASTKPSVPLAPSSKTSNGTAAAGCLVKDYFPEPVTVSNMGA 185
Db 124 -MDYWGCGTLVTVSSASTKPSVPLAPSSKTSNGTAAAGCLVKDYFPEPVTVSNMGA 182
Qy 186 LTSQVHTFPFPAVLQSSGLYSLSVTVVSSSLGTQTYICNVNHHKPSNTKVDKVPKSCDK 245
Db 183 LTSQVHTFPFPAVLQSSGLYSLSVTVVSSSLGTQTYICNVNHHKPSNTKVDKVPKSCDK 242
Qy 246 THTPCPAPBLGGPSVFLPPPKKOTLMISRTPEVTCVVVDVSHEDPEVKFMNMYDGV 305
Db 243 THTPCPAPBLGGPSVFLPPPKKOTLMISRTPEVTCVVVDVSHEDPEVKFMNMYDGV 302
Qy 306 EVNAKTKPREEQNSTYRVVSVLTVLHODMLNGKEYCKVSNKALPAPLEKTSKAKGQ 365
Db 303 EVNAKTKPREEQNSTYRVVSVLTVLHODMLNGKEYCKVSNKALPAPLEKTSKAKGQ 362
Qy 366 PREPQVYTLPPSRREMTKNQVSLTCLVKGFPSPDIAVEMESNGQPENNYKTPPVLDSDG 425
Db 363 PREPQVYTLPPSRREMTKNQVSLTCLVKGFPSPDIAVEMESNGQPENNYKTPPVLDSDG 422
Qy 426 SFLYSLKLTVDKSRMOQGNVFSQVMEALHNHTOKSLSLSPGK 470


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Db          423 SFFLYSKLTVDKSRWQGGNVPFSCSVHHEALNNHYTQKSLSLSPGK 467

RESULT 11
: Sequence 90, Application US/09485737B
: Patent No. 6350860
: GENERAL INFORMATION:
:   APPLICANT: Buysse, Marie-Ange
:   APPLICANT: Sablon, Erwin
:   TITLE OF INVENTION: INTERFERON-gamma-BINDING MOLECULES FOR TREATING SEPTIC SHOCK,
:   TITLE OF INVENTION: CACHEXIA, IMMUNE DISEASES AND SKIN DISORDERS
:   FILE REFERENCE: INNS-015
:   CURRENT APPLICATION NUMBER: US/09/485, 737B
:   CURRENT FILING DATE: 2000-02-14
:   PRIOR APPLICATION NUMBER: PCT/EP 98/05165
:   PRIOR FILING DATE: 1998-08-14
:   PRIOR APPLICATION NUMBER: EPO 98870139.7
:   PRIOR FILING DATE: 1998-06-18
:   PRIOR APPLICATION NUMBER: EPO 97870122.5
:   PRIOR FILING DATE: 1997-08-18
:   NUMBER OF SEQ ID NOS: 104
:   SOFTWARE: PatentIn version 3.0
:   SEQ ID NO 90
:   LENGTH: 711
:   TYPE: PRT
:   ORGANISM: Artificial Sequence
:   FEATURE:
:   OTHER INFORMATION: SYNTHETIC
:   IS-09-485-737B-90

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Query Match	Best Local Similarity	86.4%	Score 2174	DB 4	Length 711
Matches 409	Conservative 21	Mismatches 31	Indels 4	Gaps 1	
QY	6	ILFLVATATGVHSQVQLVQSGAEVYKKPKGASVYKSCKASGTTFTSYMMQWYKQAFGGILE	65		
Db	7	IFSELILISASVILSQVLQVQSGSELKKKGASVKISCKASGVTFTDYGMMWYQAFGGGLK	66		
QY	66	MMGEIDPSDSTYTNQPKKATLTVDHSTSTAWELSLSESDPAVYVYCARNDYSNNW	125		
Db	67	MMGMINTYTGESTYVDPEKGRFVPSLDTVSAAVQLQISLKAEDPATYFCARGFYA--	123		
QY	126	YFDWVGEGLTVVTSASASTKGPVPEPLAESSKTSKSTSGTALAGLVYDYPEPEVTVSWNSGA	185		
Db	124	-MDYMGQGTVTYVTSASTKGPVPEPLADSSKTSKSTSGTALAGLVYDYPEPEVTVSWNSGA	182		
QY	186	LTSGVHTPPAALQSSGLYSLSSVTVPESSLGCTQYTCNNMHKPSNTYVDKRVPEKSCDK	245		
Db	183	LTSGVHTPPAALQSSGLYSLSSVTVPESSLGCTQYTCNNMHKPSNTYVDKRVPEKSCDK	242		
QY	246	THTCPCPAPPELLGSPVFLFPPEPKDQTLMSRTEPEVTCVVVDVSHEDPEYKFNMYVDGV	305		
Db	243	THTCPCPAPPELLGSPVFLFPPEPKDQTLMSRTEPEVTCVVVDVSHEDPEYKFNMYVDGV	302		
QY	306	EVHNAKTKPREQOTNSYRVVSVLTLYHQDWLNGEKYCKVSNKALPAPDIEKTSKAGQ	365		
Db	303	EVHNAKTKPREQVNSTYRVVSVLTLYHQDWLNGEKYCKVSNKALPASIEKTSKAGQ	362		
QY	366	PREPQVTLPPRSREMTNQVSLFLCLVKGFPSPDIAVWESNGQENNYKTPPLVLDSDG	425		
Db	363	PREQVTLPPRSREMTNQVSLFLCLVKGFPSPDIAVWESNGQENNYKTPPLVLDSDG	422		
QY	426	SFPLYSKLTVDKSRWQCGNVFSCSYVMEALHNHYTKLSLSLSPGK 4.70			
Db	423	SFPLYSKLTVDKSRWQCGNVFSCSYVMEALHNHYTKLSLSLSPGK 4.67			

RESULT 12

US-07-934-373C-22

Sequence 22, Application US/07934373C

Patent No. 5821337

GENERAL INFORMATION:

1 APPLICANT: Paul J. Carter
2 APPLICANT: Leonard G. Presta
3 TITLE OF INVENTION: Immunoglobulin Variants
4 NUMBER OF SEQUENCES: 48
5 CORRESPONDENCE ADDRESS:
6 ADDRESSEE: Genentech, Inc.
7 STREET: 1 DNA Way
8 CITY: South San Francisco
9 STATE: California
10 COUNTRY: USA
11 ZIP: 94080
12
13 COMPUTER READABLE FORM:
14 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
15 COMPUTER: IBM PC compatible
16 OPERATING SYSTEM: PC-DOS/MS-DOS
17 SOFTWARE: WinPatIn (Genentech)
18 CURRENT APPLICATION DATA:
19 APPLICATION NUMBER: US/07/934,373C
20 FILING DATE: 21-Aug-1992
21
22 CLASSIFICATION: 530
23
24 PRIOR APPLICATION DATA:
25 APPLICATION NUMBER: PCT/US92/05126
26 FILING DATE: 15-JUN-1992
27
28 PRIOR APPLICATION DATA:
29 APPLICATION NUMBER: 07/715272
30 FILING DATE: 14-JUN-1991
31
32 ATTORNEY/AGENT INFORMATION:
33 NAME: Lee, Wendy M.
34 REGISTRATION NUMBER: 40,378
35 REFERENCE/DOCKET NUMBER: P0709P2
36
37 TELECOMMUNICATION INFORMATION:
38 TELEPHONE: 650/225-1994
39 TELEFAX: 650/952-9881
40
41 INFORMATION FOR SEQ ID NO: 22:
42 SEQUENCE CHARACTERISTICS:
43 LENGTH: 454 amino acids
44 TYPE: Amino Acid
45 TOPOLOGY: Linear
46
47 JS-07-934-373C-22

Query Match	85.9%	Score 2161.5	DB 2	Length 454
Best Local Similarity	89.4%	Pred. No. 1.4e-154		
Matches 406	Conservative 17	Mismatches 28	Indels 3	Gaps 1
QY	20	QVQLVDSGAEVKKVKGASVVKYSCRASGTYFTFSYMWQWKAAPGQGLEWMGSDIDPSDYNTNY	79	
Db	1	QVQLVDSGPELVKRGKASVVKISCTKSGYTFTEYTMHMKQHGKSLKLEIIGGFNPKNCGSSH	60	
QY	80	NQKKKAAITLVDTSTSTAYMELSLRSEPTAYYYCAARDYSNN---YFDWGEGLV	136	
Db	61	NQRMDDATLAVKSKSTSTAYMELRSLTSEDSGLYYCAKRMGLNGLGFVRFYDWGAQITV	120	
QY	137	TVSSASTKGPSEVPFLAPSSKSTSGGTAAALCLVQDYPEPEVTVSNMNGALITSGVHTPEAV	136	
Db	121	TVSSASTKGPSEVPFLAPSSKSTSGGTAAALCLVQDYPEPEVTVSNMNGALITSGVHTPEAV	180	
QY	197	LOSSGLVSLSSVVTVPSSSLGTOTYICNVNKKPSNTKVDKRVBPKSCDKHTHCPCPAPE	256	
Db	181	LOSSGLVSLSSVVTVPSSSLGTOTYICNVNKKPSNTYVDKRVBPKSCDKHTHCPCPAPE	240	
QY	257	ILGGPSYFLPPPKKQDTLMISRPPEVTCVAVVDVSHEDPEKGFNMYYDGVGVNNAKTPRE	316	
Db	241	ILGGPSYFLPPPKKQDTLMISRPPEVTCVAVVDVSHEDPEKGFNMYYDGVGVNNAKTPRE	300	
QY	317	EQYNSTYRVVSVLTVLHQMVLNNGKEYKCKVSNKALPAPIEKTIISKAKGQPREPQVYTLPP	376	
Db	301	EQYNSTYRVVSVLTVLHQMVLNNGKEYKCKVSNKALPAPIEKTIISKAKGQPREPQVYTLPP	360	
QY	377	SRREMTNQVSLTCLVKGFPSPDIAYWESNNGQPENNYKTTTPPLVDSGSPFLYSKLTVD	436	
Db	361	SRREMTNQVSLTCLVKGFPSPDIAYWESNNGQPENNYKTTTPPLVDSGSPFLYSKLTVD	420	
QY	437	KSRMQGQNVESCVMEHALLNHYYQKSLSLSPGK	470	


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QY 137 TVSSASTKGPSPVFLAPSSKSTSGTAAAGCLVNDYPEPEPTVSNNGALTSGVHTFPAY 196
DB 121 TVSSASTKGPSPVFLAPSSKSTSGTAAAGCLVNDYPEPEPTVSNNGALTSGVHTFPAY 180
QY 197 LOSGGLYSLSSVTVTPSSSLGTQTYICNVNHPKSNTKVDKVEPKSCDKHTCPCPAPE 256
DB 181 LOSGGLYSLSSVTVTPSSSLGTQTYICNVNHPKSNTKVDKVEPKSCDKHTCPCPAPE 240
QY 257 LGGPSVFLPPPKKDTLMTSRTEPVTCVVVDVSHEDPEVKFNNYVDSGEVHNAAKTKPRE 316
DB 241 LGGPSVFLPPPKKDTLMTSRTEPVTCVVVDVSHEDPEVKFNNYVDSGEVHNAAKTKPRE 300
QY 317 EQNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPP 376
DB 301 EQNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPP 360
QY 377 SREEMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTIPVLDSDGSFFLYSKLTVD 436
DB 361 SREEMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTIPVLDSDGSFFLYSKLTVD 420
QY 437 KSRWQGNVFSCVMEHALLNHYTOKSLSPGK 470
DB 421 KSRWQGNVFSCVMEHALLNHYTOKSLSPGK 454

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RESULT 15

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PCT-US93-07832-22
; Sequence 22, Application PC/TUS9307832
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; TITLE OF INVENTION: Immunoglobulin Variants
; NUMBER OF SEQUENCES: 40
; CORRESPONDENCE ADDRESS:
; ADDRESS: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/07832
; FILING DATE: 19930820
; CLASSIFICATION:
; APPLICATION DATA:
; APPLICATION NUMBER: 07/715272
; FILING DATE: 14-JUN-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US92/05126
; FILING DATE: 15-JUN-1992
; APPLICATION NUMBER: 07/934373
; FILING DATE: 21-AUG-1992
; ATTORNEY/AGENT INFORMATION:
; NAME:
; REGISTRATION NUMBER:
; REFERENCE/DOCKET NUMBER: 709P2PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE:
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 454 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; PCT-US93-07832-22

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Query Match 85.9%; Score 2161.5; DB 5; Length 454;

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Best Local Similarity 89.4%; Pred. No. 1,4e-154;
Matches 406; Conservative 17; Mismatches 28; Indels 3; Gaps 1;
QY 20 QVQLVQSGAEVKKRQASGYSCKASGTFSTSYMMQMVKQAPGQLEMMGEIDPSDSTNY 79
DB 1 QVQLVQSGAEVKKRQASGYSCKASGTFSTSYMMQMVKQAPGQLEMMGEIDPSDSTNY 60
QY 80 NQPKRATLTVDPSTSTAAVELSLRSEDPAAVYVCARNRDYSNNM--YFDVNGEGTLV 136
DB 61 NQPKRATLTVDPSTSTAAVELSLRSEDPAAVYVCARNRDYSNNM--YFDVNGEGTLV 120
QY 137 TVSSASTKGPSPVFLAPSSKSTSGTAAAGCLVNDYPEPEPTVSNNGALTSGVHTFPAY 196
DB 121 TVSSASTKGPSPVFLAPSSKSTSGTAAAGCLVNDYPEPEPTVSNNGALTSGVHTFPAY 180
QY 197 LOSGGLYSLSSVTVTPSSSLGTQTYICNVNHPKSNTKVDKVEPKSCDKHTCPCPAPE 256
DB 181 LOSGGLYSLSSVTVTPSSSLGTQTYICNVNHPKSNTKVDKVEPKSCDKHTCPCPAPE 240
QY 257 LGGPSVFLPPPKKDTLMTSRTEPVTCVVVDVSHEDPEVKFNNYVDSGEVHNAAKTKPRE 316
DB 241 LGGPSVFLPPPKKDTLMTSRTEPVTCVVVDVSHEDPEVKFNNYVDSGEVHNAAKTKPRE 300
QY 317 EQNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPP 376
DB 301 EQNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPP 360
QY 377 SREEMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTIPVLDSDGSFFLYSKLTVD 436
DB 361 SREEMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTIPVLDSDGSFFLYSKLTVD 420
QY 437 KSRWQGNVFSCVMEHALLNHYTOKSLSPGK 470
DB 421 KSRWQGNVFSCVMEHALLNHYTOKSLSPGK 454

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Mon Feb 23 07:54:33 2004

us-09-499-662-117.rapb

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: February 20, 2004, 13:31:02 ; Search time 35.6422 Seconds
(without alignments)
2761.047 Million cell updates/sec

Title: US-09-499-662-117

Perfect score: 2517
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Gapop 10.0 , Gapext 0.5

Searched: 801455 seqs, 209382283 residues

Total number of hits satisfying chosen parameters: 801455

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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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2: /cgn2_6/ptodata/1/pubpa/PCRT_NEW_PUB.pep:*
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7: /cgn2_6/ptodata/1/pubpa/US08_NEW_PUB.pep:*
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15: /cgn2_6/ptodata/1/pubpa/US10_NEW_PUB.pep:*
16: /cgn2_6/ptodata/1/pubpa/US60_NEW_PUB.pep:*
17: /cgn2_6/ptodata/1/pubpa/US60_PUBCOMB.pep:*
18: /cgn2_6/ptodata/1/pubpa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2517	100.0	470	US-10-384-933-117	Sequence 117, App
2	2517	100.0	470	US-10-216-484-117	Sequence 117, App
3	2514	99.9	470	US-10-384-933-143	Sequence 143, App
4	2514	99.9	470	US-10-216-484-143	Sequence 143, App
5	2512	99.8	470	US-10-384-933-145	Sequence 145, App
6	2512	99.8	470	US-10-216-484-145	Sequence 145, App
7	2511	99.8	470	US-10-384-933-147	Sequence 147, App
8	2511	99.8	470	US-10-216-484-147	Sequence 147, App
9	2504	99.5	470	US-10-384-933-89	Sequence 89, App1
10	2498	99.2	470	US-10-384-933-157	Sequence 157, App
11	2498	99.2	470	US-10-216-484-157	Sequence 157, App
12	2343.5	93.1	731	US-09-825-012-46	Sequence 46, App1
13	2343.5	93.1	741	US-09-825-012-55	Sequence 55, App1
14	2338.5	92.9	723	US-09-825-012-52	Sequence 52, App1

15	2338.5	92.9	739	10	US-09-825-012-61	Sequence 61, App1
16	2332.5	92.7	730	10	US-09-825-012-49	Sequence 49, App1
17	2332.5	92.7	740	10	US-09-825-012-58	Sequence 58, App1
18	2285.5	90.8	469	12	US-10-377-121-18	Sequence 22, App1
19	2285.5	90.6	469	12	US-10-377-121-22	Sequence 16, App1
20	2280.5	89.8	476	12	US-10-225-108A-16	Sequence 9, App1
21	2261	89.8	476	12	US-10-461-148-9	Sequence 41, App1
22	2261	89.8	476	12	US-10-353-708-41	Sequence 47, App1
23	2255.5	89.6	467	12	US-10-353-708-47	Sequence 59, App1
24	2255.5	89.6	467	12	US-10-353-708-59	Sequence 41, App1
25	2255.5	89.6	467	12	US-10-171-452A-41	Sequence 47, App1
26	2255.5	89.6	467	15	US-10-171-452A-47	Sequence 59, App1
27	2255.5	89.6	467	15	US-10-171-452A-59	Sequence 53, App1
28	2255.5	89.5	467	12	US-10-353-708-53	Sequence 53, App1
29	2252.5	89.5	467	15	US-10-171-452A-53	Sequence 43, App1
30	2252.5	89.5	472	12	US-10-159-006-43	Sequence 3, App1
31	2252	89.5	476	10	US-09-747-669-3	Sequence 2, App1
32	2252	89.5	476	10	US-10-290-703-3	Sequence 3, App1
33	2252	89.5	476	10	US-10-378-567-2	Sequence 2, App1
34	2235.5	88.4	448	12	US-10-409-938-15	Sequence 15, App1
35	2235.5	88.4	448	12	US-10-353-708-48	Sequence 48, App1
36	2232.5	88.3	448	12	US-10-353-708-60	Sequence 48, App1
37	2232.5	88.3	448	15	US-10-171-452A-48	Sequence 60, App1
38	2232.5	88.3	448	15	US-10-171-452A-60	Sequence 3329, App
39	2222.5	88.3	489	12	US-10-104-047-3329	Sequence 42, App1
40	2222.5	88.3	448	12	US-10-353-708-42	Sequence 54, App1
41	2219.5	88.2	448	12	US-10-353-708-54	Sequence 42, App1
42	2219.5	88.2	448	15	US-10-171-452A-42	Sequence 54, App1
43	2219.5	88.2	448	15	US-10-171-452A-54	Sequence 54, App1
44	2206.5	87.7	477	12	US-10-108-260A-4289	Sequence 4289, App
45	2206.5	87.7	477	12	US-10-108-260A-4289	Sequence 4289, App

ALIGNMENTS

RESULT 1
US-10-384-933-117
; Sequence 117, Application US/10384933
; Publication No. US00030170817A1
; GENERAL INFORMATION:
; APPLICANT: Setizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takashi, Ikuko
; APPLICANT: Takashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/10/384,933
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 117
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-117
Query Match 100.0%; Score 2517; DB 12; Length 470;
Best Local Similarity 100.0%; Pred. No. 7.9e-166; Indels 0; Gaps 0;
Matches 470; Conservative 0; Mismatches 0;
QY 1 MGSICILFLVATVGVHSQVGVVSGAIVKPKGASVSKVSCASGYTFTSYMMQVYKQAP 60
Db 1 MGSICILFLVATVGVHSQVGVVSGAIVKPKGASVSKVSCASGYTFTSYMMQVYKQAP 60
QY 61 GGGEEWKEIDPSSYTNVYQKKGKATLTVDISTATMEISSLRSEPTAVYVYKARRD 120

Db 61 GGGLEMMGEIDPSSTYNNQKFKGKATLTVDISTSTAYMELSLRSEDIAVYTCARRD 120
Qy 121 YSNMNYFDVWGEGLTVTVSSASTKGPVFLPAPSKSTSGGTAALGCLVNDYFPEPVTVS 180
Db 121 YSNMNYFDVWGEGLTVTVSSASTKGPVFLPAPSKSTSGGTAALGCLVNDYFPEPVTVS 180
Qy 181 WNSGALTSVHTPAVALQSSGLYSLSVTVVPSSSLGTQTYICVNNHKPSNTKVDKVERP 240
Db 181 WNSGALTSVHTPAVALQSSGLYSLSVTVVPSSSLGTQTYICVNNHKPSNTKVDKVERP 240
Qy 241 KSCDKHTCPCPAPELLGSPVFLPFPKPDITLMISRTPEVTCVVDVSHEDPEVFNW 300
Db 241 KSCDKHTCPCPAPELLGSPVFLPFPKPDITLMISRTPEVTCVVDVSHEDPEVFNW 300
Qy 301 YVDGEVHNATKTKREBOYNSTRVSVLTVLHODMNGEKYCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNATKTKREBOYNSTRVSVLTVLHODMNGEKYCKVSNKALPAPIEKTIS 360
Qy 361 KAKQPREPOVYTLPPREEMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTPPV 420
Db 361 KAKQPREPOVYTLPPREEMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTPPV 420
Qy 421 LDSGSEFLYSKLTVDKSRMNOQGVFSCSVNHEALHNHYTQKSLSLSPGK 470
Db 421 LDSGSEFLYSKLTVDKSRMNOQGVFSCSVNHEALHNHYTQKSLSLSPGK 470

RESULT 2

US-10-216-484-117
Sequence 117, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216, 484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499, 662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053, 583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 117
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-117

Query Match 100.0%; Score 2517; DB 15; Length 470;
Best Local Similarity 100.0%; Pred. No. 7.9e-166;
Matches 470; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MGSCTILFLVATATGHSQVQLVQSGAEVKKPGASVYSCKASGYTFTSYMMQWKAAP 60
Db 1 MGSCTILFLVATATGHSQVQLVQSGAEVKKPGASVYSCKASGYTFTSYMMQWKAAP 60
Qy 61 GGGLEMMGEIDPSSTYNNQKFKGKATLTVDISTSTAYMELSLRSEDIAVYTCARRD 120
Db 61 GGGLEMMGEIDPSSTYNNQKFKGKATLTVDISTSTAYMELSLRSEDIAVYTCARRD 120
Qy 121 YSNMNYFDVWGEGLTVTVSSASTKGPVFLPAPSKSTSGGTAALGCLVNDYFPEPVTVS 180
Db 121 YSNMNYFDVWGEGLTVTVSSASTKGPVFLPAPSKSTSGGTAALGCLVNDYFPEPVTVS 180
Qy 181 WNSGALTSVHTPAVALQSSGLYSLSVTVVPSSSLGTQTYICVNNHKPSNTKVDKVERP 240
Db 181 WNSGALTSVHTPAVALQSSGLYSLSVTVVPSSSLGTQTYICVNNHKPSNTKVDKVERP 240

Db 181 WNSGALTSVHTPAVALQSSGLYSLSVTVVPSSSLGTQTYICVNNHKPSNTKVDKVERP 240
Qy 241 KSCDKHTCPCPAPELLGSPVFLPFPKPDITLMISRTPEVTCVVDVSHEDPEVFNW 300
Db 241 KSCDKHTCPCPAPELLGSPVFLPFPKPDITLMISRTPEVTCVVDVSHEDPEVFNW 300
Qy 301 YVDGEVHNATKTKREBOYNSTRVSVLTVLHODMNGEKYCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNATKTKREBOYNSTRVSVLTVLHODMNGEKYCKVSNKALPAPIEKTIS 360
Qy 361 KAKQPREPOVYTLPPREEMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTPPV 420
Db 361 KAKQPREPOVYTLPPREEMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTPPV 420
Qy 421 LDSGSEFLYSKLTVDKSRMNOQGVFSCSVNHEALHNHYTQKSLSLSPGK 470
Db 421 LDSGSEFLYSKLTVDKSRMNOQGVFSCSVNHEALHNHYTQKSLSLSPGK 470

RESULT 3

US-10-384-933-143
Sequence 143, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384, 933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499, 662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053, 583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 143
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-143

Query Match 99.9%; Score 2514; DB 12; Length 470;
Best Local Similarity 99.8%; Pred. No. 1.3e-165;
Matches 469; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MGSCTILFLVATATGHSQVQLVQSGAEVKKPGASVYSCKASGYTFTSYMMQWKAAP 60
Db 1 MGSCTILFLVATATGHSQVQLVQSGAEVKKPGASVYSCKASGYTFTSYMMQWKAAP 60
Qy 61 GGGLEMMGEIDPSSTYNNQKFKGKATLTVDISTSTAYMELSLRSEDIAVYTCARRD 120
Db 61 GGGLEMMGEIDPSSTYNNQKFKGKATLTVDISTSTAYMELSLRSEDIAVYTCARRD 120
Qy 121 YSNMNYFDVWGEGLTVTVSSASTKGPVFLPAPSKSTSGGTAALGCLVNDYFPEPVTVS 180
Db 121 YSNMNYFDVWGEGLTVTVSSASTKGPVFLPAPSKSTSGGTAALGCLVNDYFPEPVTVS 180
Qy 181 WNSGALTSVHTPAVALQSSGLYSLSVTVVPSSSLGTQTYICVNNHKPSNTKVDKVERP 240
Db 181 WNSGALTSVHTPAVALQSSGLYSLSVTVVPSSSLGTQTYICVNNHKPSNTKVDKVERP 240
Qy 241 KSCDKHTCPCPAPELLGSPVFLPFPKPDITLMISRTPEVTCVVDVSHEDPEVFNW 300
Db 241 KSCDKHTCPCPAPELLGSPVFLPFPKPDITLMISRTPEVTCVVDVSHEDPEVFNW 300
Qy 301 YVDGEVHNATKTKREBOYNSTRVSVLTVLHODMNGEKYCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNATKTKREBOYNSTRVSVLTVLHODMNGEKYCKVSNKALPAPIEKTIS 360

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Db 301 YVDGVEVHNAKTPREBOYNSTRVVSVLTVLHODMLNGKEYCKVSKALPAPIEKTIS 360
QY 361 KAKQPREPOVYTLPPREEMTKNOVSLTCLVKGFPSPDIAVWESNQPENNYKTPPV 420
Db 361 KAKQPREPOVYTLPPREEMTKNOVSLTCLVKGFPSPDIAVWESNQPENNYKTPPV 420
QY 421 LDSGSFFLYSKLTVDKSRMOQGNVFCSCVMEALHNHYTKSLSLSPGK 470
Db 421 LDSGSFFLYSKLTVDKSRMOQGNVFCSCVMEALHNHYTKSLSLSPGK 470

RESULT 4
US-10-216-484-143
Sequence 143, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Setizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 143
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-143

Query Match 99.9%; Score 2514; DB 15; Length 470;
Best Local Similarity 99.8%; Pred. No. 1.3e-165; Indels 0; Gaps 0;
Matches 469; Conservative 1; Mismatches 0;
Db 1 MGSNCILFLVATATGVSQVLYVOSGAIEKKPKGASVYVSCASGTYTSTYMWQVYKQAP 60
QY 1 MGSNCILFLVATATGVSQVLYVOSGAIEKKPKGASVYVSCASGTYTSTYMWQVYKQAP 60
Db 61 GQGLEMMGEIDPSDYTNNOKEFGKATLTVDSTSTAYMELSLRSEDTAVYYCARRND 120
QY 61 GQGLEMMGEIDPSDYTNNOKEFGKATLTVDSTSTAYMELSLRSEDTAVYYCARRND 120
Db 61 GQGLEMMGEIDPSDYTNNOKEFGKATLTVDSTSTAYMELSLRSEDTAVYYCARRND 120
QY 61 GQGLEMMGEIDPSDYTNNOKEFGKATLTVDSTSTAYMELSLRSEDTAVYYCARRND 120
Db 121 YSNMYPDWQEGTLVTVSSASTKGPSVFLPAPSKSTSGTALGCLVKDYFPEPVYVS 180
QY 121 YSNMYPDWQEGTLVTVSSASTKGPSVFLPAPSKSTSGTALGCLVKDYFPEPVYVS 180
Db 121 YSNMYPDWQEGTLVTVSSASTKGPSVFLPAPSKSTSGTALGCLVKDYFPEPVYVS 180
QY 121 YSNMYPDWQEGTLVTVSSASTKGPSVFLPAPSKSTSGTALGCLVKDYFPEPVYVS 180
Db 181 WNSGALTSVHTFPAYLOSGLYSLSVTVPSSTSGTQTYICNVNHPKSNTRKDYRVEP 240
QY 181 WNSGALTSVHTFPAYLOSGLYSLSVTVPSSTSGTQTYICNVNHPKSNTRKDYRVEP 240
Db 181 WNSGALTSVHTFPAYLOSGLYSLSVTVPSSTSGTQTYICNVNHPKSNTRKDYRVEP 240
QY 181 WNSGALTSVHTFPAYLOSGLYSLSVTVPSSTSGTQTYICNVNHPKSNTRKDYRVEP 240
Db 241 KSCDKHTHTCPCPAPBELIGPSVFLPAPKPKDTLMTSRPEVTCVVDVSHEDPEYKFNW 300
QY 241 KSCDKHTHTCPCPAPBELIGPSVFLPAPKPKDTLMTSRPEVTCVVDVSHEDPEYKFNW 300
Db 241 KSCDKHTHTCPCPAPBELIGPSVFLPAPKPKDTLMTSRPEVTCVVDVSHEDPEYKFNW 300
QY 241 KSCDKHTHTCPCPAPBELIGPSVFLPAPKPKDTLMTSRPEVTCVVDVSHEDPEYKFNW 300
Db 301 YVDGVEVHNAKTPREBOYNSTRVVSVLTVLHODMLNGKEYCKVSKALPAPIEKTIS 360
QY 301 YVDGVEVHNAKTPREBOYNSTRVVSVLTVLHODMLNGKEYCKVSKALPAPIEKTIS 360
Db 301 YVDGVEVHNAKTPREBOYNSTRVVSVLTVLHODMLNGKEYCKVSKALPAPIEKTIS 360
QY 301 YVDGVEVHNAKTPREBOYNSTRVVSVLTVLHODMLNGKEYCKVSKALPAPIEKTIS 360
Db 361 KAKQPREPOVYTLPPREEMTKNOVSLTCLVKGFPSPDIAVWESNQPENNYKTPPV 420
QY 361 KAKQPREPOVYTLPPREEMTKNOVSLTCLVKGFPSPDIAVWESNQPENNYKTPPV 420
Db 361 KAKQPREPOVYTLPPREEMTKNOVSLTCLVKGFPSPDIAVWESNQPENNYKTPPV 420
QY 361 KAKQPREPOVYTLPPREEMTKNOVSLTCLVKGFPSPDIAVWESNQPENNYKTPPV 420
Db 421 LDSGSFFLYSKLTVDKSRMOQGNVFCSCVMEALHNHYTKSLSLSPGK 470
QY 421 LDSGSFFLYSKLTVDKSRMOQGNVFCSCVMEALHNHYTKSLSLSPGK 470

Db 421 LDSGSFFLYSKLTVDKSRMOQGNVFCSCVMEALHNHYTKSLSLSPGK 470

RESULT 5
US-10-384-933-145
Sequence 145, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Setizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 145
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-145

Query Match 99.8%; Score 2512; DB 12; Length 470;
Best Local Similarity 99.6%; Pred. No. 1.8e-165; Indels 0; Gaps 0;
Matches 468; Conservative 2; Mismatches 0;
Db 1 MGSNCILFLVATATGVSQVLYVOSGAIEKKPKGASVYVSCASGTYTSTYMWQVYKQAP 60
QY 1 MGSNCILFLVATATGVSQVLYVOSGAIEKKPKGASVYVSCASGTYTSTYMWQVYKQAP 60
Db 61 GQGLEMMGEIDPSDYTNNOKEFGKATLTVDSTSTAYMELSLRSEDTAVYYCARRND 120
QY 61 GQGLEMMGEIDPSDYTNNOKEFGKATLTVDSTSTAYMELSLRSEDTAVYYCARRND 120
Db 61 GQGLEMMGEIDPSDYTNNOKEFGKATLTVDSTSTAYMELSLRSEDTAVYYCARRND 120
QY 61 GQGLEMMGEIDPSDYTNNOKEFGKATLTVDSTSTAYMELSLRSEDTAVYYCARRND 120
Db 121 YSNMYPDWQEGTLVTVSSASTKGPSVFLPAPSKSTSGTALGCLVKDYFPEPVYVS 180
QY 121 YSNMYPDWQEGTLVTVSSASTKGPSVFLPAPSKSTSGTALGCLVKDYFPEPVYVS 180
Db 121 YSNMYPDWQEGTLVTVSSASTKGPSVFLPAPSKSTSGTALGCLVKDYFPEPVYVS 180
QY 121 YSNMYPDWQEGTLVTVSSASTKGPSVFLPAPSKSTSGTALGCLVKDYFPEPVYVS 180
Db 181 WNSGALTSVHTFPAYLOSGLYSLSVTVPSSTSGTQTYICNVNHPKSNTRKDYRVEP 240
QY 181 WNSGALTSVHTFPAYLOSGLYSLSVTVPSSTSGTQTYICNVNHPKSNTRKDYRVEP 240
Db 181 WNSGALTSVHTFPAYLOSGLYSLSVTVPSSTSGTQTYICNVNHPKSNTRKDYRVEP 240
QY 181 WNSGALTSVHTFPAYLOSGLYSLSVTVPSSTSGTQTYICNVNHPKSNTRKDYRVEP 240
Db 241 KSCDKHTHTCPCPAPBELIGPSVFLPAPKPKDTLMTSRPEVTCVVDVSHEDPEYKFNW 300
QY 241 KSCDKHTHTCPCPAPBELIGPSVFLPAPKPKDTLMTSRPEVTCVVDVSHEDPEYKFNW 300
Db 241 KSCDKHTHTCPCPAPBELIGPSVFLPAPKPKDTLMTSRPEVTCVVDVSHEDPEYKFNW 300
QY 241 KSCDKHTHTCPCPAPBELIGPSVFLPAPKPKDTLMTSRPEVTCVVDVSHEDPEYKFNW 300
Db 301 YVDGVEVHNAKTPREBOYNSTRVVSVLTVLHODMLNGKEYCKVSKALPAPIEKTIS 360
QY 301 YVDGVEVHNAKTPREBOYNSTRVVSVLTVLHODMLNGKEYCKVSKALPAPIEKTIS 360
Db 301 YVDGVEVHNAKTPREBOYNSTRVVSVLTVLHODMLNGKEYCKVSKALPAPIEKTIS 360
QY 301 YVDGVEVHNAKTPREBOYNSTRVVSVLTVLHODMLNGKEYCKVSKALPAPIEKTIS 360
Db 361 KAKQPREPOVYTLPPREEMTKNOVSLTCLVKGFPSPDIAVWESNQPENNYKTPPV 420
QY 361 KAKQPREPOVYTLPPREEMTKNOVSLTCLVKGFPSPDIAVWESNQPENNYKTPPV 420
Db 361 KAKQPREPOVYTLPPREEMTKNOVSLTCLVKGFPSPDIAVWESNQPENNYKTPPV 420
QY 361 KAKQPREPOVYTLPPREEMTKNOVSLTCLVKGFPSPDIAVWESNQPENNYKTPPV 420
Db 421 LDSGSFFLYSKLTVDKSRMOQGNVFCSCVMEALHNHYTKSLSLSPGK 470
QY 421 LDSGSFFLYSKLTVDKSRMOQGNVFCSCVMEALHNHYTKSLSLSPGK 470

APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takashi, Ikuo
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 145
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
US-10-216-484-145

Query Match 99.8%; Score 2512; DB 15; Length 470;
Best Local Similarity 99.6%; Pred. No. 1,8e-165;
Matches 468; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGSCIIILFLVATATGVHSQVQLVQSGAEVKKPGASVYVSCASGYTFSTYMQWVKQAP 60
DB 1 MGSCIIILFLVATATGVHSQVQLVQSGAEVKKPGASVYVSCASGYTFSTYMQWVKQAP 60
QY 61 GQGLMMGEIDPSSTYNNQKFKGKATLVDTSTAYMELSLRSEDVAVYVCARNRD 120
DB 61 GQGLMMGEIDPSSTYNNQKFKGKATLVDTSTAYMELSLRSEDVAVYVCARNRD 120
QY 121 YSNMWYEDWGEGLTVYVSSASTGSPVFLPAPSKSTSGGTALGCLVQDYFPEPTVVS 180
DB 121 YSNMWYEDWGEGLTVYVSSASTGSPVFLPAPSKSTSGGTALGCLVQDYFPEPTVVS 180
QY 121 YSNMWYEDWGEGLTVYVSSASTGSPVFLPAPSKSTSGGTALGCLVQDYFPEPTVVS 180
DB 121 YSNMWYEDWGEGLTVYVSSASTGSPVFLPAPSKSTSGGTALGCLVQDYFPEPTVVS 180
QY 181 WNSGALISGVTFPAVLQSSGLYSLSSVTVPSLSLGTQYIICVNNHKPSNTKYDKVEP 240
DB 181 WNSGALISGVTFPAVLQSSGLYSLSSVTVPSLSLGTQYIICVNNHKPSNTKYDKVEP 240
QY 241 KSCDKHTCPCPAPPELLGSPVFLPFPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
DB 241 KSCDKHTCPCPAPPELLGSPVFLPFPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
QY 301 YVDGEVHNATKREEDQYNSTYRVSVLTALHODMNLGKRYCKVSNKALPALEKTIIS 360
DB 301 YVDGEVHNATKREEDQYNSTYRVSVLTALHODMNLGKRYCKVSNKALPALEKTIIS 360
QY 361 KAKQPREPQVYTLPPSRREMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPV 420
DB 361 KAKQPREPQVYTLPPSRREMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPV 420
QY 421 LDSDGSFPLYSKLTVDKSRMQQGNVFSCSVHREALNHHYTKSLISPGK 470
DB 421 LDSDGSFPLYSKLTVDKSRMQQGNVFSCSVHREALNHHYTKSLISPGK 470

RESULT 7
US-10-384-933-147
Sequence 147, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takashi, Ikuo
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933

CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 147
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
US-10-384-933-147

Query Match 99.8%; Score 2511; DB 12; Length 470;
Best Local Similarity 99.6%; Pred. No. 2,1e-165;
Matches 468; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGSCIIILFLVATATGVHSQVQLVQSGAEVKKPGASVYVSCASGYTFSTYMQWVKQAP 60
DB 1 MGSCIIILFLVATATGVHSQVQLVQSGAEVKKPGASVYVSCASGYTFSTYMQWVKQAP 60
QY 61 GQGLMMGEIDPSSTYNNQKFKGKATLVDTSTAYMELSLRSEDVAVYVCARNRD 120
DB 61 GQGLMMGEIDPSSTYNNQKFKGKATLVDTSTAYMELSLRSEDVAVYVCARNRD 120
QY 121 YSNMWYEDWGEGLTVYVSSASTGSPVFLPAPSKSTSGGTALGCLVQDYFPEPTVVS 180
DB 121 YSNMWYEDWGEGLTVYVSSASTGSPVFLPAPSKSTSGGTALGCLVQDYFPEPTVVS 180
QY 121 YSNMWYEDWGEGLTVYVSSASTGSPVFLPAPSKSTSGGTALGCLVQDYFPEPTVVS 180
DB 121 YSNMWYEDWGEGLTVYVSSASTGSPVFLPAPSKSTSGGTALGCLVQDYFPEPTVVS 180
QY 181 WNSGALISGVTFPAVLQSSGLYSLSSVTVPSLSLGTQYIICVNNHKPSNTKYDKVEP 240
DB 181 WNSGALISGVTFPAVLQSSGLYSLSSVTVPSLSLGTQYIICVNNHKPSNTKYDKVEP 240
QY 241 KSCDKHTCPCPAPPELLGSPVFLPFPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
DB 241 KSCDKHTCPCPAPPELLGSPVFLPFPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
QY 301 YVDGEVHNATKREEDQYNSTYRVSVLTALHODMNLGKRYCKVSNKALPALEKTIIS 360
DB 301 YVDGEVHNATKREEDQYNSTYRVSVLTALHODMNLGKRYCKVSNKALPALEKTIIS 360
QY 361 KAKQPREPQVYTLPPSRREMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPV 420
DB 361 KAKQPREPQVYTLPPSRREMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPV 420
QY 421 LDSDGSFPLYSKLTVDKSRMQQGNVFSCSVHREALNHHYTKSLISPGK 470
DB 421 LDSDGSFPLYSKLTVDKSRMQQGNVFSCSVHREALNHHYTKSLISPGK 470

RESULT 8
US-10-216-484-147
Sequence 147, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takashi, Ikuo
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 147
LENGTH: 470

TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-147

Query Match 99.8%; Score 2511; DB 15; Length 470;
Best Local Similarity 99.6%; Pred. No. 2,1e-165;
Matches 468; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGMSCTILFLVATATGHSQVQLVQSGAEVKKPGASVKVSCKASGCTFTSYMMQWVKQAP 60
DB 1 MGMSCTILFLVATATGHSQVQLVQSGAEVKKPGASVKVSCKASGCTFTSYMMQWVKQAP 60
QY 61 GQGLEMMGEIDPSISYNNQKFKGKATLVDTSTSTAYMELSLRSEDYAVYCARNRD 120
DB 61 GQGLEMMGEIDPSISYNNQKFKGKATLVDTSTSTAYMELSLRSEDYAVYCARNRD 120
QY 121 YSNMWYFDVWGEGLVTYVSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPTVVS 180
DB 121 YSNMWYFDVWGEGLVTYVSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPTVVS 180
QY 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTPPSSSLGTQYICNVNHRPSTKVDKVEP 240
DB 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTPPSSSLGTQYICNVNHRPSTKVDKVEP 240
QY 241 KSCDKHTCPCPAPPELLIGPSVFLPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
DB 241 KSCDKHTCPCPAPPELLIGPSVFLPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
QY 301 YVDGEVHNATKREEQYNSTYRVSVLTALHODMNGEKYCKCKVSNKALPAPIEKTIS 360
DB 301 YVDGEVHNATKREEQYNSTYRVSVLTALHODMNGEKYCKCKVSNKALPAPIEKTIS 360
QY 361 KAKQPREPQVYTLPPSRREMTKNQVSLTCLVKGFYPSDIAVEMESNQGPENNYKTTPEV 420
DB 361 KAKQPREPQVYTLPPSRREMTKNQVSLTCLVKGFYPSDIAVEMESNQGPENNYKTTPEV 420
QY 421 LDSGSFPLYSKLTVDKSRMQQGNVFCSVNHEALHNHYTKSLSPGK 470
DB 421 LDSGSFPLYSKLTVDKSRMQQGNVFCSVNHEALHNHYTKSLSPGK 470

RESULT 9
US-10-384-933-89

Sequence 89, Application US/10384933
Publication No. US20030170817A1

GENERAL INFORMATION:

APPLICANT: Serizawa, No. US20030170817A1ufusa

APPLICANT: Haruyama, Hideyuki

APPLICANT: Nakahara, Kaori

APPLICANT: Takahashi, Ikuko

TITLE OF INVENTION: Anti-Fas Antibodies

FILE REFERENCE: 980126CIP/HG

CURRENT APPLICATION NUMBER: US/10/384,933

CURRENT FILING DATE: 2003-02-05

PRIOR APPLICATION NUMBER: US/09/499,662

PRIOR FILING DATE: 2000-02-09

PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583

PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01

NUMBER OF SEQ ID NOS: 165

SEQ ID NO 89

LENGTH: 470

TYPE: PRT

ORGANISM: Artificial Sequence

OTHER INFORMATION: Description of Artificial Sequence: Designed heavy

OTHER INFORMATION: chain of humanized anti-Fas antibody

US-10-384-933-89
Query Match 99.5%; Score 2504; DB 12; Length 470;

Best Local Similarity 99.6%; Pred. No. 6,2e-165;
Matches 468; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGMSCTILFLVATATGHSQVQLVQSGAEVKKPGASVKVSCKASGCTFTSYMMQWVKQAP 60
DB 1 MGMSCTILFLVATATGHSQVQLVQSGAEVKKPGASVKVSCKASGCTFTSYMMQWVKQAP 60
QY 61 GQGLEMMGEIDPSISYNNQKFKGKATLVDTSTSTAYMELSLRSEDYAVYCARNRD 120
DB 61 GQGLEMMGEIDPSISYNNQKFKGKATLVDTSTSTAYMELSLRSEDYAVYCARNRD 120
QY 121 YSNMWYFDVWGEGLVTYVSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPTVVS 180
DB 121 YSNMWYFDVWGEGLVTYVSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPTVVS 180
QY 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTPPSSSLGTQYICNVNHRPSTKVDKVEP 240
DB 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTPPSSSLGTQYICNVNHRPSTKVDKVEP 240
QY 241 KSCDKHTCPCPAPPELLIGPSVFLPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
DB 241 KSCDKHTCPCPAPPELLIGPSVFLPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
QY 301 YVDGEVHNATKREEQYNSTYRVSVLTALHODMNGEKYCKCKVSNKALPAPIEKTIS 360
DB 301 YVDGEVHNATKREEQYNSTYRVSVLTALHODMNGEKYCKCKVSNKALPAPIEKTIS 360
QY 361 KAKQPREPQVYTLPPSRREMTKNQVSLTCLVKGFYPSDIAVEMESNQGPENNYKTTPEV 420
DB 361 KAKQPREPQVYTLPPSRREMTKNQVSLTCLVKGFYPSDIAVEMESNQGPENNYKTTPEV 420
QY 421 LDSGSFPLYSKLTVDKSRMQQGNVFCSVNHEALHNHYTKSLSPGK 470
DB 421 LDSGSFPLYSKLTVDKSRMQQGNVFCSVNHEALHNHYTKSLSPGK 470

RESULT 10

US-10-216-484-89

Sequence 89, Application US/10216484

Publication No. US20030103976A1

GENERAL INFORMATION:

APPLICANT: Serizawa, No. US20030103976A1ufusa

APPLICANT: Haruyama, Hideyuki

APPLICANT: Nakahara, Kaori

APPLICANT: Takahashi, Ikuko

TITLE OF INVENTION: Anti-Fas Antibodies

FILE REFERENCE: 980126CIP/HG

CURRENT APPLICATION NUMBER: US/10/216,484

CURRENT FILING DATE: 2002-08-09

PRIOR APPLICATION NUMBER: US/09/499,662

PRIOR FILING DATE: 2000-02-09

PRIOR APPLICATION NUMBER: US 09/053,583

PRIOR FILING DATE: 1998-04-01

NUMBER OF SEQ ID NOS: 165

SEQ ID NO 89

LENGTH: 470

TYPE: PRT

ORGANISM: Artificial Sequence

OTHER INFORMATION: Description of Artificial Sequence: Designed heavy

OTHER INFORMATION: chain of humanized anti-Fas antibody

US-10-216-484-89
Query Match 99.5%; Score 2504; DB 15; Length 470;
Best Local Similarity 99.6%; Pred. No. 6,2e-165;
Matches 468; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGMSCTILFLVATATGHSQVQLVQSGAEVKKPGASVKVSCKASGCTFTSYMMQWVKQAP 60
DB 1 MGMSCTILFLVATATGHSQVQLVQSGAEVKKPGASVKVSCKASGCTFTSYMMQWVKQAP 60
QY 61 GQGLEMMGEIDPSISYNNQKFKGKATLVDTSTSTAYMELSLRSEDYAVYCARNRD 120

```
Db 61 GORLEMMGEIDPSISYNNQKFKGKATLTVDTSAITAYMELSLRSEDIAVYICARRD 120
Qy 121 YSNMWYDWMGEGLTVYSSASTKGPVSFPLAPSKSTSGGTAALGCLVXDYPPEPVTS 180
Db 121 YSNMWYDWMGEGLTVYSSASTKGPVSFPLAPSKSTSGGTAALGCLVXDYPPEPVTS 180
Qy 181 WNSGALTSGVHTPAVALQSSGLYSLSVTVVPSSSLGTQYIICVNHKPSNTKVDKVER 240
Db 181 WNSGALTSGVHTPAVALQSSGLYSLSVTVVPSSSLGTQYIICVNHKPSNTKVDKVER 240
Qy 241 KSCDKHTCPCPAPELLGSPVFLFPKPKDITLMISRTPEVTCVVVDVSHEDDEVKFNW 300
Db 241 KSCDKHTCPCPAPELLGSPVFLFPKPKDITLMISRTPEVTCVVVDVSHEDDEVKFNW 300
Qy 301 YVDGEVHNAKTKREEQYNSTRVSVLTVLHODMLNGEKYKCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNAKTKREEQYNSTRVSVLTVLHODMLNGEKYKCKVSNKALPAPIEKTIS 360
Qy 361 KAKQPREPOVYTLPPREEMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTPPV 420
Db 361 KAKQPREPOVYTLPPREEMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTPPV 420
Qy 421 LDSDGSFPLVSKLTVDKSRMQGVFSCSVNHEALHNHYTQKSLSLSPGK 470
Db 421 LDSDGSFPLVSKLTVDKSRMQGVFSCSVNHEALHNHYTQKSLSLSPGK 470
```

RESULT 11

```
US-10-384-933-157
; Sequence 157, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; PRIOR FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 157
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed
; OTHER INFORMATION: heavy chain of humanized anti-Fas antibody
US-10-384-933-157
```

Query Match 99.2%; Score 2498; DB 12; Length 470;
Best Local Similarity 98.9%; Pred. No. 1.6e-164;
Matches 465; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

```
Qy 1 MGSNCILFLVATATGHSQVQLVQSGAEVKKPKASVAVSCAKSGYFTSYMQMVKQAP 60
Db 1 MGSNCILFLVATATGHSQVQLVQSGAEVKKPKASVAVSCAKSGYFTSYMQMVKQAP 60
Qy 61 GQGLEMMGEIDPSISYNNQKFKGKATLTVDTSTAYMELSLRSEDIAVYICARRD 120
Db 61 GQGLEMMGEIDPSISYNNQKFKGKATLTVDTSTAYMELSLRSEDIAVYICARRD 120
Qy 121 YSNMWYDWMGEGLTVYSSASTKGPVSFPLAPSKSTSGGTAALGCLVXDYPPEPVTS 180
Db 121 YSNMWYDWMGEGLTVYSSASTKGPVSFPLAPSKSTSGGTAALGCLVXDYPPEPVTS 180
Qy 181 WNSGALTSGVHTPAVALQSSGLYSLSVTVVPSSSLGTQYIICVNHKPSNTKVDKVER 240
```

```
Db 181 WNSGALTSGVHTPAVALQSSGLYSLSVTVVPSSSLGTQYIICVNHKPSNTKVDKVER 240
Qy 241 KSCDKHTCPCPAPELLGSPVFLFPKPKDITLMISRTPEVTCVVVDVSHEDDEVKFNW 300
Db 241 KSCDKHTCPCPAPELLGSPVFLFPKPKDITLMISRTPEVTCVVVDVSHEDDEVKFNW 300
Qy 301 YVDGEVHNAKTKREEQYNSTRVSVLTVLHODMLNGEKYKCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNAKTKREEQYNSTRVSVLTVLHODMLNGEKYKCKVSNKALPAPIEKTIS 360
Qy 361 KAKQPREPOVYTLPPREEMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTPPV 420
Db 361 KAKQPREPOVYTLPPREEMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTPPV 420
Qy 421 LDSDGSFPLVSKLTVDKSRMQGVFSCSVNHEALHNHYTQKSLSLSPGK 470
Db 421 LDSDGSFPLVSKLTVDKSRMQGVFSCSVNHEALHNHYTQKSLSLSPGK 470
```

RESULT 12

```
US-10-216-484-157
; Sequence 157, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 157
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed
; OTHER INFORMATION: heavy chain of humanized anti-Fas antibody
US-10-216-484-157
```

Query Match 99.2%; Score 2498; DB 15; Length 470;
Best Local Similarity 98.9%; Pred. No. 1.6e-164;
Matches 465; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

```
Qy 1 MGSNCILFLVATATGHSQVQLVQSGAEVKKPKASVAVSCAKSGYFTSYMQMVKQAP 60
Db 1 MGSNCILFLVATATGHSQVQLVQSGAEVKKPKASVAVSCAKSGYFTSYMQMVKQAP 60
Qy 61 GQGLEMMGEIDPSISYNNQKFKGKATLTVDTSTAYMELSLRSEDIAVYICARRD 120
Db 61 GQGLEMMGEIDPSISYNNQKFKGKATLTVDTSTAYMELSLRSEDIAVYICARRD 120
Qy 121 YSNMWYDWMGEGLTVYSSASTKGPVSFPLAPSKSTSGGTAALGCLVXDYPPEPVTS 180
Db 121 YSNMWYDWMGEGLTVYSSASTKGPVSFPLAPSKSTSGGTAALGCLVXDYPPEPVTS 180
Qy 181 WNSGALTSGVHTPAVALQSSGLYSLSVTVVPSSSLGTQYIICVNHKPSNTKVDKVER 240
Db 181 WNSGALTSGVHTPAVALQSSGLYSLSVTVVPSSSLGTQYIICVNHKPSNTKVDKVER 240
Qy 241 KSCDKHTCPCPAPELLGSPVFLFPKPKDITLMISRTPEVTCVVVDVSHEDDEVKFNW 300
Db 241 KSCDKHTCPCPAPELLGSPVFLFPKPKDITLMISRTPEVTCVVVDVSHEDDEVKFNW 300
Qy 301 YVDGEVHNAKTKREEQYNSTRVSVLTVLHODMLNGEKYKCKVSNKALPAPIEKTIS 360
```

Db YVDGEVHNAKTKPREQYNSTYRVSVTLVHQMNGKRYCKVSNKALPAPIEKTIS 360
QY 361 KAKGQPREPOVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEMESNGOPENNYKTTPV 420
Db 361 KAKGQPREPOVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEMESNGOPENNYKTTPV 420
QY 421 LDDSGSFPLYSKLTVDKSRWQOQGNVSCSVMHALHNHTYOKSLISLSPGK 470
Db 421 LDDSGSFPLYSKLTVDKSRWQOQGNVSCSVMHALHNHTYOKSLISLSPGK 470

RESULT 13

US-09-825-012-46
Sequence 46, Application US/09825012
Patent No. US20020122798A1
GENERAL INFORMATION:
APPLICANT: Young, Robert
TITLE OF INVENTION: Compounds for Targeting
FILE REFERENCE: 43191-256808
CURRENT APPLICATION NUMBER: US/09/825,012
CURRENT FILING DATE: 2001-04-03
PRIOR APPLICATION NUMBER: US 60/237,159
PRIOR FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: GB 0008049.9
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 102
SOFTWARE: PatentIn version 3.1
SEQ ID NO 46
LENGTH: 731
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Humanised HMFgl heavy chain - Dnaase I fusion
US-09-825-012-46

Query Match 93.1%; Score 2343.5; DB 10; Length 731;
Best Local Similarity 92.8%; Pred. No. 1.3e-153;
Matches 436; Conservative 21; Mismatches 10; Indels 3; Gaps 1;

QY 1 MGMSCTILFLVATATGVSHQVQLVQSGAEVKKPKQASVYVSCKASGTFPTSYMMQWYKQAP 60
Db 1 MGMSCTILFLVATATGVSHQVQLVQSGAEVKKPKQASVYVSCKASGTFPTSYMMQWYKQAP 60
QY 61 GQGLEWMEGLDPSDSTYTNOKKFKGKATLVDTSTAYMELSLRSRSDTAIVYICARNRD 120
Db 61 GQGLEWMEGLDPSDSTYTNOKKFKGKATLVDTSTAYMELSLRSRSDTAIVYICARNRD 120
QY 61 GQGLEWMEGLDPSDSTYTNOKKFKGKATLVDTSTAYMELSLRSRSDTAIVYICARNRD 120
Db 61 GQGLEWMEGLDPSDSTYTNOKKFKGKATLVDTSTAYMELSLRSRSDTAIVYICARNRD 120
QY 121 YSNWYEDVWEGEGLTVTSASSTKGPSVFLPAPSSKSTSGTALGCLVKDYFPEPTVS 180
Db 121 YSNWYEDVWEGEGLTVTSASSTKGPSVFLPAPSSKSTSGTALGCLVKDYFPEPTVS 180
QY 121 YSNWYEDVWEGEGLTVTSASSTKGPSVFLPAPSSKSTSGTALGCLVKDYFPEPTVS 180
Db 121 YSNWYEDVWEGEGLTVTSASSTKGPSVFLPAPSSKSTSGTALGCLVKDYFPEPTVS 180
QY 181 WNSGALTSGVHTFPAVLAQSSGLYSLSVTVPSSTIGTQTYICNVNHRKSNLKVDKRRP 240
Db 181 WNSGALTSGVHTFPAVLAQSSGLYSLSVTVPSSTIGTQTYICNVNHRKSNLKVDKRRP 240
QY 178 WNSGALTSGVHTFPAVLAQSSGLYSLSVTVPSSTIGTQTYICNVNHRKSNLKVDKRRP 237
Db 178 WNSGALTSGVHTFPAVLAQSSGLYSLSVTVPSSTIGTQTYICNVNHRKSNLKVDKRRP 237
QY 241 KSCDKHTCPCPAPPELLGPGSVFLPFPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
Db 241 KSCDKHTCPCPAPPELLGPGSVFLPFPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
QY 238 KSCDKHTCPCPAPPELLGPGSVFLPFPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 297
Db 238 KSCDKHTCPCPAPPELLGPGSVFLPFPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 297
QY 301 YVDGEVHNAKTKPREQYNSTYRVSVTLVHQMNGKRYCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNAKTKPREQYNSTYRVSVTLVHQMNGKRYCKVSNKALPAPIEKTIS 360
QY 298 YVDGEVHNAKTKPREQYNSTYRVSVTLVHQMNGKRYCKVSNKALPAPIEKTIS 357
Db 298 YVDGEVHNAKTKPREQYNSTYRVSVTLVHQMNGKRYCKVSNKALPAPIEKTIS 357
QY 361 KAKGQPREPOVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEMESNGOPENNYKTTPV 420
Db 361 KAKGQPREPOVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEMESNGOPENNYKTTPV 420
QY 358 KAKGQPREPOVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEMESNGOPENNYKTTPV 417
Db 358 KAKGQPREPOVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEMESNGOPENNYKTTPV 417
QY 421 LDDSGSFPLYSKLTVDKSRWQOQGNVSCSVMHALHNHTYOKSLISLSPGK 470
Db 421 LDDSGSFPLYSKLTVDKSRWQOQGNVSCSVMHALHNHTYOKSLISLSPGK 470
QY 418 LDDSGSFPLYSKLTVDKSRWQOQGNVSCSVMHALHNHTYOKSLISLSPGK 467
Db 418 LDDSGSFPLYSKLTVDKSRWQOQGNVSCSVMHALHNHTYOKSLISLSPGK 467

RESULT 14

US-09-825-012-55
Sequence 55, Application US/09825012
Patent No. US20020122798A1
GENERAL INFORMATION:
APPLICANT: Young, Robert
TITLE OF INVENTION: Compounds for Targeting
FILE REFERENCE: 43191-256808
CURRENT APPLICATION NUMBER: US/09/825,012
CURRENT FILING DATE: 2001-04-03
PRIOR APPLICATION NUMBER: US 60/237,159
PRIOR FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: GB 0008049.9
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 102
SOFTWARE: PatentIn version 3.1
SEQ ID NO 55
LENGTH: 741
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Humanised HMFgl heavy chain - Dnaase I fusion
US-09-825-012-55

Query Match 93.1%; Score 2343.5; DB 10; Length 741;
Best Local Similarity 92.8%; Pred. No. 1.3e-153;
Matches 436; Conservative 21; Mismatches 10; Indels 3; Gaps 1;

QY 1 MGMSCTILFLVATATGVSHQVQLVQSGAEVKKPKQASVYVSCKASGTFPTSYMMQWYKQAP 60
Db 1 MGMSCTILFLVATATGVSHQVQLVQSGAEVKKPKQASVYVSCKASGTFPTSYMMQWYKQAP 60
QY 61 GQGLEWMEGLDPSDSTYTNOKKFKGKATLVDTSTAYMELSLRSRSDTAIVYICARNRD 120
Db 61 GQGLEWMEGLDPSDSTYTNOKKFKGKATLVDTSTAYMELSLRSRSDTAIVYICARNRD 120
QY 61 GQGLEWMEGLDPSDSTYTNOKKFKGKATLVDTSTAYMELSLRSRSDTAIVYICARNRD 120
Db 61 GQGLEWMEGLDPSDSTYTNOKKFKGKATLVDTSTAYMELSLRSRSDTAIVYICARNRD 120
QY 61 GQGLEWMEGLDPSDSTYTNOKKFKGKATLVDTSTAYMELSLRSRSDTAIVYICARNRD 120
Db 61 GQGLEWMEGLDPSDSTYTNOKKFKGKATLVDTSTAYMELSLRSRSDTAIVYICARNRD 120
QY 121 YSNWYEDVWEGEGLTVTSASSTKGPSVFLPAPSSKSTSGTALGCLVKDYFPEPTVS 180
Db 121 YSNWYEDVWEGEGLTVTSASSTKGPSVFLPAPSSKSTSGTALGCLVKDYFPEPTVS 180
QY 121 YSNWYEDVWEGEGLTVTSASSTKGPSVFLPAPSSKSTSGTALGCLVKDYFPEPTVS 180
Db 121 YSNWYEDVWEGEGLTVTSASSTKGPSVFLPAPSSKSTSGTALGCLVKDYFPEPTVS 180
QY 181 WNSGALTSGVHTFPAVLAQSSGLYSLSVTVPSSTIGTQTYICNVNHRKSNLKVDKRRP 240
Db 181 WNSGALTSGVHTFPAVLAQSSGLYSLSVTVPSSTIGTQTYICNVNHRKSNLKVDKRRP 240
QY 178 WNSGALTSGVHTFPAVLAQSSGLYSLSVTVPSSTIGTQTYICNVNHRKSNLKVDKRRP 237
Db 178 WNSGALTSGVHTFPAVLAQSSGLYSLSVTVPSSTIGTQTYICNVNHRKSNLKVDKRRP 237
QY 241 KSCDKHTCPCPAPPELLGPGSVFLPFPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
Db 241 KSCDKHTCPCPAPPELLGPGSVFLPFPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
QY 238 KSCDKHTCPCPAPPELLGPGSVFLPFPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 297
Db 238 KSCDKHTCPCPAPPELLGPGSVFLPFPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 297
QY 301 YVDGEVHNAKTKPREQYNSTYRVSVTLVHQMNGKRYCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNAKTKPREQYNSTYRVSVTLVHQMNGKRYCKVSNKALPAPIEKTIS 360
QY 298 YVDGEVHNAKTKPREQYNSTYRVSVTLVHQMNGKRYCKVSNKALPAPIEKTIS 357
Db 298 YVDGEVHNAKTKPREQYNSTYRVSVTLVHQMNGKRYCKVSNKALPAPIEKTIS 357
QY 361 KAKGQPREPOVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEMESNGOPENNYKTTPV 420
Db 361 KAKGQPREPOVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEMESNGOPENNYKTTPV 420
QY 358 KAKGQPREPOVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEMESNGOPENNYKTTPV 417
Db 358 KAKGQPREPOVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEMESNGOPENNYKTTPV 417
QY 421 LDDSGSFPLYSKLTVDKSRWQOQGNVSCSVMHALHNHTYOKSLISLSPGK 470
Db 421 LDDSGSFPLYSKLTVDKSRWQOQGNVSCSVMHALHNHTYOKSLISLSPGK 470
QY 418 LDDSGSFPLYSKLTVDKSRWQOQGNVSCSVMHALHNHTYOKSLISLSPGK 467
Db 418 LDDSGSFPLYSKLTVDKSRWQOQGNVSCSVMHALHNHTYOKSLISLSPGK 467

RESULT 15

US-09-825-012-52
Sequence 52, Application US/09825012
Patent No. US20020122798A1
GENERAL INFORMATION:
APPLICANT: Young, Robert
TITLE OF INVENTION: Compounds for Targeting
FILE REFERENCE: 43191-256808
CURRENT APPLICATION NUMBER: US/09/825,012
CURRENT FILING DATE: 2001-04-03
PRIOR APPLICATION NUMBER: US 60/237,159
PRIOR FILING DATE: 2000-10-02

; PRIOR APPLICATION NUMBER: GB 0008049.9
 ; PRIOR FILING DATE: 2000-04-03
 ; NUMBER OF SEQ ID NOS: 102
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 52
 ; LENGTH: 729
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Humanised HMG1 heavy chain - DNase I fusion
 US-09-825-012-52

Query Match 92.9%; Score 2338.5; DB 10; Length 729;
 Best Local Similarity 92.8%; Pred. No. 2.8e-153;
 Matches 435; Conservative 21; Mismatches 10; Indels 3; Gaps 1;

QY	1	MGWSCIILFLVATNGVHSQVQLVDSGAEVKKPGASVKASPCKGKPTFTSYMMQMVKQAP	60
DB	1	MGWSCIILFLVATNGVHSQVQLVDSGAEVKKPGASVKASPCKGKPTFTSYMMQMVKQAP	60
QY	61	GQGLEMMGEIDPSDSTYNQKFKGKATLVDTSTSTAYMELSLRSEDTAVYYCARNRD	120
DB	61	GKGLEMMGEIDPSDSTYNQKFKGKATLVDTSTSTAYMELSLRSEDTAVYYCARNRD	120
QY	121	YSNNMYFDVWGEGTLVTYSSASTKGPSVFPPLAPSKSTSGGTALGCLVKDYFPEPTVS	180
DB	121	FA--WFAVWQGTLLVTYSSASTKGPSVFPPLAPSKSTSGGTALGCLVKDYFPEPTVS	177
QY	181	WNSGALTSGVTFPFAVLQSSGLYSLSVTVPPSSISGTQTYICNVNHRKPSNTKVDKRYEP	240
DB	178	WNSGALTSGVTFPFAVLQSSGLYSLSVTVPPSSISGTQTYICNVNHRKPSNTKVDKRYEP	237
QY	241	KSCDKHTCTCPCPAPPELLGSPVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNW	300
DB	238	KSCDKHTCTCPCPAPPELLGSPVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNW	297
QY	301	YVDGEVYHNAKTKRREQYSTIRVSVLTFLHODMLNGKEYKCKVSNKALPAPIEKTIS	360
DB	298	YVDGEVYHNAKTKRREQYSTIRVSVLTFLHODMLNGKEYKCKVSNKALPAPIEKTIS	357
QY	361	KAKGQPREPPQVYTLPPSRHEMTKNQVSLTCLVKGFYPSDIAVWESNNGQPENNYKTTIPV	420
DB	358	KAKGQPREPPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVWESNNGQPENNYKTTIPV	417
QY	421	LDSDGSFELYSKLTVDKSRMQQGNVFSCSVHHEALAHNYTQKSLSPG	469
DB	418	LDSDGSFELYSKLTVDKSRMQQGNVFSCSVHHEALAHNYTQKSLSPG	466

Search completed: February 20, 2004, 14:25:35
 Job time : 37.6422 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: February 20, 2004, 13:23:52 ; Search time 7.89311 Seconds

(without alignments)
1275.794 Million cell updates/sec

Title: US-09-499-662-127

Perfect score: 1237
Sequence: 1.METDTILMLVTLMLVPGSTG.....EVTHQGLSPVTKSPNRGEC 238Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 200000000Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*
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2: /cgn2_6/ptodata/1/1aa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/1aa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/1aa/6B_COMB.pep:*
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6: /cgn2_6/ptodata/1/1aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1112	89.9	218	5	PCT-US96-13152-2
2	1100	88.9	218	2	US-08-887-352B-13
3	1100	88.9	218	3	US-08-466-151-9
4	1100	88.9	218	3	US-09-109-207C-13
5	1100	88.9	218	3	US-09-296-005-13
6	1100	88.9	218	4	US-08-466-163B-9
7	1077	87.1	218	3	US-09-282-505-1
8	1077	87.1	218	3	US-09-054-255-1
9	1077	87.1	218	4	US-09-282-846-1
10	1077	87.1	218	4	US-09-680-145-1
11	1074	86.8	218	2	US-08-887-352B-15
12	1074	86.8	218	2	US-08-887-352B-17
13	1074	86.8	218	2	US-08-887-352B-19
14	1074	86.8	218	2	US-08-887-352B-24
15	1074	86.8	218	3	US-09-109-207C-15
16	1074	86.8	218	3	US-09-109-207C-17
17	1074	86.8	218	3	US-09-109-207C-19
18	1074	86.8	218	3	US-09-109-207C-24
19	1074	86.8	218	3	US-09-296-005-15
20	1074	86.8	218	3	US-09-296-005-17
21	1074	86.8	218	3	US-09-296-005-19
22	1074	86.8	218	3	US-09-296-005-24
23	1044	84.4	240	4	US-09-301-593-36
24	1040	84.1	234	4	US-07-940-002-24
25	1022.5	82.7	233	2	US-07-934-373C-25
26	1022.5	82.7	233	3	US-08-437-642B-25
27	1022.5	82.7	233	4	US-08-146-206C-25

28	1022.5	82.7	233	5	PCT-US93-07832-25	Sequence 25, Appl
29	1019	82.4	214	2	US-07-934-373C-39	Sequence 39, Appl
30	1019	82.4	214	2	US-08-437-642B-39	Sequence 39, Appl
31	1019	82.4	214	5	PCT-US93-07832-39	Sequence 39, Appl
32	1014	82.0	214	2	US-07-934-373C-40	Sequence 40, Appl
33	1014	82.0	214	2	US-08-788-800-11	Sequence 11, Appl
34	1014	82.0	214	3	US-08-437-642B-40	Sequence 40, Appl
35	1014	82.0	214	3	US-09-097-309-2	Sequence 2, Appl
36	1014	82.0	214	3	US-09-097-171A-2	Sequence 2, Appl
37	1014	82.0	214	4	US-09-460-587-2	Sequence 2, Appl
38	1014	82.0	214	5	PCT-US93-07832-40	Sequence 40, Appl
39	1014	82.0	237	3	US-09-097-309-6	Sequence 6, Appl
40	1014	82.0	237	3	US-09-097-171A-10	Sequence 10, Appl
41	1014	82.0	237	3	US-09-422-712B-2	Sequence 2, Appl
42	1014	82.0	237	3	US-09-607-756-2	Sequence 2, Appl
43	1014	82.0	237	4	US-09-460-587-6	Sequence 6, Appl
44	1010.5	81.7	242	3	US-09-027-449-62	Sequence 62, Appl
45	1010.5	81.7	242	3	US-09-026-985-62	Sequence 62, Appl

ALIGNMENTS

RESULT 1
PCT-US96-13152-2
Sequence 2, Application PC/TUS9613152
GENERAL INFORMATION:
APPLICANT: Martin, Ulrich, et al.
TITLE OF INVENTION: Anti-selectin antibodies for prevention of multiple organ fai
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Felfe & Lynch
ADDRESSER: Attn: Norman D. Hanson
STREET: 805 Third Avenue
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Computer Disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/13152
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/578,953
FILING DATE: 27-Dec-95
APPLICATION NUMBER: EP 95 112 895.8
FILING DATE: 17-Aug-95
APPLICATION NUMBER: EP 95 114 969.9
FILING DATE: 19-Sep-95
ATTORNEY/AGENT INFORMATION:
NAME: Norman D. Hanson
REGISTRATION NUMBER: 30,946
REFERENCE/DOCKET NUMBER: BOER 1059-PCT-PPF/NDH
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 688-9200
TELEFAX: (212) 838-3884
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 218
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US96-13152-2
Query Match 89.9%, Score 1112, DB 5, Length 218;
Best Local Similarity 98.2%, Pred. No. 6.5e-87;
Matches 214, Conservative 2, Mismatches 2, Indels 0, Gaps 0;

QY 201 STLTLSKADYKHKVYACEVTHQGLSSPVTGSPNRGEC 238
Db 181 STLTLSKADYKHKVYACEVTHQGLSSPVTGSPNRGEC 218

RESULT 4
US-09-109-207C-13

; Sequence 13, Application US/09109207C
; Patent No. 6172213
; GENERAL INFORMATION:
; APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
; TITLE OF INVENTION: Improved Anti-19S Antibodies and Method of Improving Polypeptide
; FILE REFERENCE: P1123R1
; CURRENT APPLICATION NUMBER: US/09/109,207C
; CURRENT FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/051,554
; PRIOR FILING DATE: 1997-07-03
; NUMBER OF SEQ ID NOS: 44
; SEQ ID NO 13
; LENGTH: 218
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; NAME/KEY: Artificial
; LOCATION: 1-218
; OTHER INFORMATION: Light chain sequence derived from MAE11
US-09-109-207C-13

Query Match 88.9%; Score 1100; DB 3; Length 218;
Best Local Similarity 97.7%; Pred. No. 6.7e-86;
Matches 213; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 21 DIVLTGSPSSLSASVGRVTITTCRASQSDVDGSDSYMMWYQOKGKAPKLLIYAASNIES 80
Db 1 DIGLTGSPSSLSASVGRVTITTCRASQSDVDGSDSYMMWYQOKGKAPKLLIYAASYLES 60
QY 81 GVPSRFGSGSGGTDTFTLTISLQPEDPATYTCQOSNEPRTFGGTVEIKRTVAAPSVF 140
Db 61 GVPSRFGSGSGGTDTFTLTISLQPEDPATYTCQOSNEPRTFGGTVEIKRTVAAPSVF 120
QY 141 IFPPSDQLKSGTASVCLNNFYPREAKVQMKVDNALQSGNSQESVTEQDSKOSTYSL 200
Db 121 IFPPSDQLKSGTASVCLNNFYPREAKVQMKVDNALQSGNSQESVTEQDSKOSTYSL 180
QY 201 STLTLSKADYKHKVYACEVTHQGLSSPVTGSPNRGEC 238
Db 181 STLTLSKADYKHKVYACEVTHQGLSSPVTGSPNRGEC 218

RESULT 5
US-09-296-005-13

; Sequence 13, Application US/09296005
; Patent No. 6290957
; GENERAL INFORMATION:
; APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
; TITLE OF INVENTION: Improved Anti-19S Antibodies and Method of Improving Polypeptides
; FILE REFERENCE: P1123C1
; CURRENT APPLICATION NUMBER: US/09/296,005
; CURRENT FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 08/887,352
; EARLIER FILING DATE: 1997-07-02
; NUMBER OF SEQ ID NOS: 26
; SEQ ID NO 13
; LENGTH: 218
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; NAME/KEY: Artificial
; LOCATION: 1-218
; OTHER INFORMATION: Light chain sequence derived from MAE11
US-09-296-005-13

Query Match 88.9%; Score 1100; DB 3; Length 218;
Best Local Similarity 97.7%; Pred. No. 6.7e-86;
Matches 213; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 21 DIVLTGSPSSLSASVGRVTITTCRASQSDVDGSDSYMMWYQOKGKAPKLLIYAASNIES 80
Db 1 DIGLTGSPSSLSASVGRVTITTCRASQSDVDGSDSYMMWYQOKGKAPKLLIYAASYLES 60
QY 81 GVPSRFGSGSGGTDTFTLTISLQPEDPATYTCQOSNEPRTFGGTVEIKRTVAAPSVF 140
Db 61 GVPSRFGSGSGGTDTFTLTISLQPEDPATYTCQOSNEPRTFGGTVEIKRTVAAPSVF 120
QY 141 IFPPSDQLKSGTASVCLNNFYPREAKVQMKVDNALQSGNSQESVTEQDSKOSTYSL 200
Db 121 IFPPSDQLKSGTASVCLNNFYPREAKVQMKVDNALQSGNSQESVTEQDSKOSTYSL 180
QY 201 STLTLSKADYKHKVYACEVTHQGLSSPVTGSPNRGEC 238
Db 181 STLTLSKADYKHKVYACEVTHQGLSSPVTGSPNRGEC 218

RESULT 6
US-08-466-163B-9

; Sequence 9, Application US/08466163B
; Patent No. 6329509
; GENERAL INFORMATION:
; APPLICANT: Jardiou, Paula M.
; APPLICANT: Presta, Leonard G.
; TITLE OF INVENTION: Immunoglobulin Variants
; FILE REFERENCE: P0718P2C1
; CURRENT APPLICATION NUMBER: US/08/466,163B
; CURRENT FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: US 08/405,617
; PRIOR FILING DATE: 1995-03-15
; PRIOR APPLICATION NUMBER: US 08/185,899
; PRIOR FILING DATE: 1994-01-26
; PRIOR APPLICATION NUMBER: US 07/879,495
; PRIOR FILING DATE: 1992-05-07
; PRIOR APPLICATION NUMBER: US 07/744,768
; PRIOR FILING DATE: 1991-08-14
; NUMBER OF SEQ ID NOS: 64
; SEQ ID NO 9
; LENGTH: 218
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: humanized mae11, version 1, light chain
US-08-466-163B-9

Query Match 88.9%; Score 1100; DB 4; Length 218;
Best Local Similarity 97.7%; Pred. No. 6.7e-86;
Matches 213; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 21 DIVLTGSPSSLSASVGRVTITTCRASQSDVDGSDSYMMWYQOKGKAPKLLIYAASNIES 80
Db 1 DIGLTGSPSSLSASVGRVTITTCRASQSDVDGSDSYMMWYQOKGKAPKLLIYAASYLES 60
QY 81 GVPSRFGSGSGGTDTFTLTISLQPEDPATYTCQOSNEPRTFGGTVEIKRTVAAPSVF 140
Db 61 GVPSRFGSGSGGTDTFTLTISLQPEDPATYTCQOSNEPRTFGGTVEIKRTVAAPSVF 120
QY 141 IFPPSDQLKSGTASVCLNNFYPREAKVQMKVDNALQSGNSQESVTEQDSKOSTYSL 200
Db 121 IFPPSDQLKSGTASVCLNNFYPREAKVQMKVDNALQSGNSQESVTEQDSKOSTYSL 180
QY 201 STLTLSKADYKHKVYACEVTHQGLSSPVTGSPNRGEC 238
Db 181 STLTLSKADYKHKVYACEVTHQGLSSPVTGSPNRGEC 218

RESULT 7
US-09-282-505-1

; Sequence 1, Application US/09282505A

```

? Patent No. 6194551
? GENERAL INFORMATION:
? APPLICANT: Eschbe Eklundhuse Indusogie et al.
? TITLE OF INVENTION: Polypeptide Variants
? FILE REFERENCE: P126681
? CURRENT APPLICATION NUMBER: US/09/282,505A
? CURRENT FILING DATE: 1999-03-31
? NUMBER OF SEQ ID NOS: 2
? SEQ ID NO 1
? LENGTH: 218
? TYPE: PRT
? ORGANISM: Artificial Sequence
? FEATURES:
? NAME/KEY: Artificial Sequence
? LOCATION: 1-218
? OTHER INFORMATION: Sequence is completely synthesized
? Patent No. 6194551.
? US-09-282-505.-1

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Query Match	87.1%;	Score 1077;	DB 3;	Length 218;
Best Local Similarity	95.9%;	Pred. No. 6e-84;		
Matches 209; Conservative	4;	Mismatches 5;	Indels 0;	Gaps 0;

QY 21 DIVLTQSSLSASVGDRTVITTCRASQSDYDYDGSYMWYQOKPKAPKLLIYAASNLSS 80
 Db 1 DIQLTQSSLSASVGDRTVITTCRASQSDYDGSYMWYQOKPKAPKLLIYAASNLSS 60

QY	81	GVSPERFSGSGSGTDPTLTITLSLOPEDFATYYCCQSNEDPRTFGGQTKVELKRYTAAAPSVF	140
Db	61	GVSPERFSGSGSGTDPTLTITLSLOPEDFATYYCCQSNEDPRTFGGQTKVELKRYTAAAPSVF	120

QY 141 I P P S D E O L K S G T A S V V C L I N N F Y P R E A K Y O M K V D N A L O S G N S Q S A S Y T E D O S K O T S Y S L S 200

Db 121 I P P S D E O L K S G T A S V V C L I N N F Y P R E A K Y O M K V D N A L O S G N S Q S A S Y T E D O S K O T S Y S L S 180

QY	201	STLTLSKADYEKKHYACEVTHOGLSSPVTKSFNNGEC	238
Dp	161	STLTLSKADYEKKHYACEVTHOGLSSPVTKSPNNGEC	218

RESULT 8
ITS-09-054-255-1

; sequence 1, Application US/09034255
 ; Patent No. 6242195
 ; GENERAL INFORMATION:
 ; APPLICANT: Roche Ekinadine (Inuscia et al)

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; TITLE OF INVENTION: Polypeptide Variants
; FILE REFERENCE: P1266
; CURRENT APPLICATION NUMBER: US/09/054,255
; CURRENT FILING DATE: 1998-04-07

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; NUMBER OF SEQ ID NOS: 2
;
; SEQ ID NO 1
;
; LENGTH: 218
;
;       name

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;
; ORGANISM: Artificial Sequence
;
; FEATURE:
; OTHER INFORMATION: E27 anti-IgB antibody light chain
;
; OS: meta
;

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Query Match	87.1%	Score 1077;	DB 3;	Length 218;
Best Local Similarity	95.9%	Pred No. 6e-84;		
Matches 209;	Conservative	4;	Mismatches 5;	Indels 0;
			Gaps	0;

Qy	Db
21	1
DIYLTQSPESLSASVGRVITTCRASSQVYDGDGYMNNWQOKPKAPKLIIVASNNLES	DIQLTQSPESLSASVGRVITTCRASKPVDEGDSYNNWQOKPKAPKLIIVASNNLES
80	60

QY	81	GVPEPRFSSGSGTDPTLTLSLPEDPATYCCQSNEDPRTFGQGTKEVKRTYAAPSVF	140
DB	61	GVPEPRFSSGSGTDPTLTLSLPEDPATYCCQSHEDPRTFGQGTKEVKRTYAAPSVF	120

141 I P P S D E O L K S G T A S V C L I N F Y P R E A K Y O W K U N A L O S G N S O S Y T E D S K O T S Y S L S 200

Db	Qy	Db
121	1PPSPDQLKSGTASVYCLINNFYPRKAKVQKIKVNALQDSNSQBSVTEQDSKDSYSLS	180
201	STLTLSKADPEKKVYACVETHOGLSSPVAKSPFNRGEC	238
181	STLTLSKADPEKKVYACVETHOGLSSPVAKSPFNRGEC	218

RESULT 9
US-09-282-046-1

Patent No. 6528624
GENERAL INFORMATION:
APPLICANT: Esche Ekinaudese Idusogie et al.

```

; FILE REFERENCE: P1266R2
; CURRENT APPLICATION NUMBER: US/09/282,846
; CURRENT FILING DATE: 1999-03-31

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/ NUMBER OF CPG TO NOC: 2
/ SEQ ID NO 1
/ LENGTH: 218
/ TYPE: PRT

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/
/ ORGANISM: Artificial Sequence
/
/ FEATURE:
/
/ NAME/KEY: Artificial Sequence
/
/ LOCATION: 1-218
/

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OTHER INFORMATION: sequence is completely symmetrical
; Patent No. 6528624
US-09-282-846-1

Query match	87.1%	Score 1077	DB 3	Length 210
Best Local Similarity	95.9%	Pred. No. 6e-84		
Matches 209; Conservative	4;	Mismatches	5;	Indels 0; Gaps 0

Df

1 D I Q L T G S P S S L A S V G D R V I T T C R A S K P V D G E G D S I M N W Y Q Q K P G A P K L L I Y A S T I L E S 60

QY 81 GVPSPFRSGSGSGTDLTLTISSLPEDFATYYCQSHSDPKFVGQGVKVEIKKIVAAASVF 140
 |||||
 Db 61 GVPSPFRSGSGSGTDLTLTISSLPEDFATYYCQSHSDPKFVGQGVKVEIKKIVAAASVF 120

Qy 141 IFPPDEQLKSGTASVCLNNFYPREAKYQMKVDNALQSGNSQESTYEQSKDSTYSLS 200
| | | | |
Db 121 IFPPDEQLKSGTASVCLNNFYPREAKYQMKVDNALQSGNSQESTYEQSKDSTYSLS 180

[illegible]

RESULT 10
US-09-680-145-1

Patent No. 6538124
GENERAL INFORMATION:
APPLICANT: Esche Ekinaduse Idusojé et al.

```

; FILE REFERENCE: P1266R1
; CURRENT APPLICATION NUMBER: US/09/680,145
; CURRENT FILING DATE: 2000-10-03

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; PRIOR FILING DATE: 1999-03-13
 ; NUMBER OF SEQ ID NOS: 2
 ; SEQ ID NO 1

```

/ TYPE: PRT
/
/ ORGANISM: Artificial Sequence
/
/ FEATURE:

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; LOCATION: 1-218
; OTHER INFORMATION: Sequence is completely synthesized
; Patent No. 6538124

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Query Match	87.1%;	Score 1077;	DB 4;	Length 218;
Best Local Similarity	95.9%;	Pred. No. 6e-84;		
Matches 209;	Conservative 4;	Mismatches 5;	Indels 0;	Gaps 0;

[illegible]

RESULT 11
US-08-887-352B-15

GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of
TITLE OF INVENTION: Improving Polypeptides
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
IS-08-887-352B-15

Query Match	86.8%	Score 1074;	DB 2;	length 218;
Best Local Similarity	95.4%	Pred. No. 1.1e-83;		
Matches 208; Conservative	5;	Mismatches 5;	Indels 0;	Gaps 0;

QY 21 IYVLQSSPSLSASVGRDRTITCKASQSDYDQSDSMNNYQOKRGKAPKLLIYAANLIS 80
Db 1 DIQLQSSPSLSASVGRDRTITCKRASKPVDGEBDSITNNYQOKRGKAPKLLIYAASYS 60
QY 81 GVPSPFSSGSGGSTDPTLLTSSLOPEDFATYYYCOQSNEDPRTGCGKVEIKRTVAAPSVF 140
Db 61 GVPSPFSSGSGGSTDPTLLTSSLOPEDFATYYYCOQSHEDPTFGCGKVEIKRTVAAPSVF 120

Qy	141	121	Qy	201	Db	181
IFPSSDEOKSGTASVVCILNNFYPRKAVOMKVDNALQSNQSESVTEQPSKOSTYSL	IFPSSDEOKSGTASVVCILNNFYPRKAVOMKVDNALQSNQSESVTEQPSKOSTYSL	IFPSSDEOKSGTASVVCILNNFYPRKAVOMKVDNALQSNQSESVTEQPSKOSTYSL	STLTLSKADYEKHKYACGVTHQGLSSPVTSFPRGEC	STLTLSKADYEKHKYACGVTHQGLSSPVTSFPRGEC	STLTLSKADYEKHKYACGVTHQGLSSPVTSFPRGEC	STLTLSKADYEKHKYACGVTHQGLSSPVTSFPRGEC
200	200	180	238	238	218	218

RESULT 12
US-08-887-352B-17
; Sequence 17, Application US/08887352B

GENERAL INFORMATION:
 APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
 TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of
 TITLE OF INVENTION: Improving Polypeptides
 NUMBER OF SEQUENCES: 26
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 1 DNA Way
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: WinPatIn (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/887,352B
 FILING DATE: 03-Jul-1997
 CLASSIFICATION: 530
 ATTORNEY/AGENT INFORMATION:
 NAME: Svoboda, Craig G.
 REGISTRATION NUMBER: 39,044
 REFERENCE/DOCKET NUMBER: P1123
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650/225-1489
 TELEFAX: 650/952-9881
 INFORMATION FOR SEQ ID NO: 17:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 218 amino acids
 TYPE: Amino Acid
 TOPOLOGY: Linear

Query Match	86.8%	Score 1074;	DB 2;	length 218;
Best Local Similarity	95.4%	Pred. No. 1.1e-83;		
Matches 208; Conservative	5;	Mismatches	5;	Indels 0; Gaps 0;

Qy	DYLYLQSPSLASAYGDRRTLTTCRKASGVXDGBS YMMVYOQRKGRPKLLIYAASYLE 80
	22 ::: :
Db	DILDTLPSSLSNAYGDRVTITCRSKAPVDGBGSYLMMVYOQRKGRPKLLIYAASYLE 60
	1 ::: :
Qy	GVPDRFGSGSGSDFTLTTLISLQPEDFATYYCOOSNEDPRTFGGTKEIKRITVAASVF 140
	81 ::: :
Db	GVPDRFGSGSGSDFTLTTLISLQPEDFATYYCOOSHEDPTFFGGTKEIKRITVAASVF 120
	61 ::: :
Qy	IIPPDSDEQLKSQTASYVCLLNFFYPRAKVOMKDNALQSNGSOESTBEDSKDSTYSLS 200
	141 ::: :
Db	IIPPSDEQLKSQTASYVCLLNFFYPRAKVOMKDNALQSNGSOESTBEDSKDSTYSLS 180
	121 ::: :
Qy	STLTLSKADYEKKRYACVTHQGIGSSPVTYSFPRGEC 238
	201 STLTLSKADYEKKRYACVTHQGIGSSPVTYSFPRGEC 238
Db	STLTLSKADYEKKRYACVTHQGIGSSPVTYSFPRGEC 218
	181 STLTLSKADYEKKRYACVTHQGIGSSPVTYSFPRGEC 218

RESULT 13
US-08-887-352B-19
; Sequence 19, Application US/08887352B
; Patent No. 5994511

GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of
TITLE OF INVENTION: Improving Polypeptides
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-19

Query Match 86.8%; Score 1074; DB 2; Length 218;
Best Local Similarity 95.4%; Pred. No. 1.1e-83;
Matches 208; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

QY 21 DIVLTQSPSSLSASVDGRVTITCKASQSVYDGDSDYNNMWYQOKPKGAPKLLIYAASNTLS 80
DB 1 DIQLTQSPSSLSASVGDRTVITCRASKPVDEGSDYNNMWYQOKPKGAPKLLIYAASNTLS 60

QY 81 GVPSRFSGSGSGTDFTLTISSLQPEDPATYCCQSNEDPRTFGQGTVEIKRTVAAPSVF 140
DB 61 GVPSRFSGSGSGTDFTLTISSLQPEDPATYCCQSHEDPRTFGQGTVEIKRTVAAPSVF 120

QY 141 IFPPSDDELKSGTASVVCCLNNFYPREAKYQMKVDNALQSGNSQESVTEGDSKDSSTLS 200
DB 121 IFPPSDDELKSGTASVVCCLNNFYPREAKYQMKVDNALQSGNSQESVTEGDSKDSSTLS 180

QY 201 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
DB 181 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 218

RESULT 14
US-08-887-352B-24
Sequence 24, Application US/08887352B
Patent No. 5994511
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of
TITLE OF INVENTION: Improving Polypeptides
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-24

Query Match 86.8%; Score 1074; DB 2; Length 218;
Best Local Similarity 95.4%; Pred. No. 1.1e-83;
Matches 208; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

QY 21 DIVLTQSPSSLSASVDGRVTITCKASQSVYDGDSDYNNMWYQOKPKGAPKLLIYAASNTLS 80
DB 1 DIQLTQSPSSLSASVGDRTVITCRASKPVDEGSDYNNMWYQOKPKGAPKLLIYAASNTLS 60

QY 81 GVPSRFSGSGSGTDFTLTISSLQPEDPATYCCQSNEDPRTFGQGTVEIKRTVAAPSVF 140
DB 61 GVPSRFSGSGSGTDFTLTISSLQPEDPATYCCQSHEDPRTFGQGTVEIKRTVAAPSVF 120

QY 141 IFPPSDDELKSGTASVVCCLNNFYPREAKYQMKVDNALQSGNSQESVTEGDSKDSSTLS 200
DB 121 IFPPSDDELKSGTASVVCCLNNFYPREAKYQMKVDNALQSGNSQESVTEGDSKDSSTLS 180

QY 201 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
DB 181 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 218

RESULT 15
US-09-109-207C-15
Sequence 15, Application US/09109207C
Patent No. 6172213
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of Improving Polypeptide
TITLE OF INVENTION: P1123RI
CURRENT APPLICATION NUMBER: US/09/109,207C
CURRENT FILING DATE: 1998-06-30
PRIOR APPLICATION NUMBER: US 60/051,554
PRIOR FILING DATE: 1997-07-03
NUMBER OF SEQ ID NOS: 44
SEQ ID NO 15
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial
FEATURE:
NAME/KEY: Artificial
LOCATION: 1-218
OTHER INFORMATION: Light chain sequence derived from MAB11
US-09-109-207C-15

Query Match 86.8%; Score 1074; DB 3; Length 218;
Best Local Similarity 95.4%; Pred. No. 1.1e-83;
Matches 208; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

QY 21 DIVLTQSPSSLSASVDGRVTITCKASQSVYDGDSDYNNMWYQOKPKGAPKLLIYAASNTLS 80
DB 1 DIQLTQSPSSLSASVGDRTVITCRASKPVDEGSDYNNMWYQOKPKGAPKLLIYAASNTLS 60

Qy	81	GVPSRFSGSGGTDFTLTISLSLOPEDFATYCCOOSNEDPRTFGQTKVEIKRTVAAPSVF	140
Db	61	GVPSRFSGSGSGTDFTLTISLSLOPEDFATYCCOOSHEDPTFGQTKVEIKRTVAAPSVF	120
Qy	141	IFPPSDEQLKSGTASVVCCLNNFYPREAKVQWKVDNALQSGNSQESVTEBQDSKDSSTYSLS	200
Db	121	IFPPSDEQLKSGTASVVCCLNNFYPREAKVQWKVDNALQSGNSQESVTEBQDSKDSSTYSLS	180
Qy	201	STLTLSKADYERKAKVYACEVTHQGLSSPYTKSFNRGEC	238
Db	181	STLTLSKADYERKAKVYACEVTHQGLSSPYTKSFNRGEC	218

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 Job time : 8.89311 secs

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Mon Feb 22 07:54:34 2004

US-09-499-662-127.rapb

Page 1

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: February 20, 2004, 13:31:02 ; Search time 18.0486 Seconds
(without alignments)
2761.047 Million cell updates/sec

Title: US-09-499-662-127
Perfect score: 1237
Sequence: 1 METDTLLMTLLWVPGSTG..... EYTHQGLSPVTSFNRGRC 238

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 801455 seqs, 209382283 residues

Total number of hits satisfying chosen parameters: 801455

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database: Published Applications AA.*

- 1: /cgn2_6/ptodata/1/pubpa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/1/pubpa/PCRN_NEM_PUB.pep.*
- 3: /cgn2_6/ptodata/1/pubpa/US06_NEM_PUB.pep.*
- 4: /cgn2_6/ptodata/1/pubpa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/1/pubpa/US07_NEM_PUB.pep.*
- 6: /cgn2_6/ptodata/1/pubpa/PCRTS_PUBCOMB.pep.*
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- 8: /cgn2_6/ptodata/1/pubpa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/1/pubpa/US09_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/1/pubpa/US09C_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/1/pubpa/US09_NEM_PUB.pep.*
- 12: /cgn2_6/ptodata/1/pubpa/US10A_PUBCOMB.pep.*
- 13: /cgn2_6/ptodata/1/pubpa/US10B_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/1/pubpa/US10C_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/1/pubpa/US10_NEM_PUB.pep.*
- 16: /cgn2_6/ptodata/1/pubpa/US60_NEM_PUB.pep.*
- 17: /cgn2_6/ptodata/1/pubpa/US60_PUBCOMB.pep.*
- 18: /cgn2_6/ptodata/1/pubpa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1237	100.0	238	US-10-384-933-127	Sequence 127, App
2	1237	100.0	238	US-10-216-484-127	Sequence 127, App
3	1236	99.9	238	US-10-384-933-131	Sequence 131, App
4	1236	99.9	238	US-10-216-484-131	Sequence 131, App
5	1233	99.7	238	US-10-384-933-129	Sequence 129, App
6	1233	99.7	238	US-10-216-484-129	Sequence 129, App
7	1173	94.8	238	US-10-384-933-107	Sequence 107, App
8	1173	94.8	238	US-10-216-484-107	Sequence 107, App
9	1168	94.4	238	US-10-384-933-50	Sequence 50, App
10	1168	94.4	238	US-10-216-484-50	Sequence 50, App
11	1155	93.4	238	US-10-384-933-52	Sequence 52, App
12	1155	93.4	238	US-10-216-484-52	Sequence 52, App
13	1154	93.3	238	US-10-384-933-109	Sequence 109, App
14	1154	93.3	238	US-10-216-484-109	Sequence 109, App
15	1153	93.2	238	US-10-384-933-54	Sequence 54, App

15	1153	93.2	238	US-10-216-484-54	Sequence 54, App
16	1145	92.6	238	US-10-384-933-38	Sequence 38, App
17	1145	92.6	238	US-10-353-708-56	Sequence 56, App
18	1145	92.6	238	US-10-171-452A-38	Sequence 38, App
19	1145	92.6	238	US-10-171-452A-56	Sequence 56, App
20	1145	92.6	238	US-10-353-708-44	Sequence 44, App
21	1135	91.8	238	US-10-353-708-50	Sequence 50, App
22	1135	91.8	238	US-10-171-452A-44	Sequence 44, App
23	1135	91.8	238	US-10-171-452A-50	Sequence 50, App
24	1135	91.8	238	US-10-171-452A-50	Sequence 2, App
25	1112	89.9	218	US-09-917-410-2	Sequence 9, App
26	1100	88.9	218	US-09-802-077-9	Sequence 9, App
27	1100	88.9	218	US-09-802-096-9	Sequence 13, App
28	1100	88.9	218	US-09-920-171-13	Sequence 9, App
29	1100	88.9	218	US-09-925-179-9	Sequence 13, App
30	1100	88.9	218	US-10-113-996-13	Sequence 67, App
31	1085	87.7	218	US-09-925-179-67	Sequence 17, App
32	1077	87.1	218	US-10-292-869-1	Sequence 1, App
33	1077	87.1	218	US-09-792-938-1	Sequence 15, App
34	1074	86.8	218	US-09-920-171-15	Sequence 17, App
35	1074	86.8	218	US-09-920-171-19	Sequence 19, App
36	1074	86.8	218	US-09-920-171-24	Sequence 24, App
37	1074	86.8	218	US-10-113-996-15	Sequence 15, App
38	1074	86.8	218	US-10-113-996-17	Sequence 19, App
39	1074	86.8	218	US-10-113-996-19	Sequence 24, App
40	1074	86.8	218	US-10-113-996-24	Sequence 296, App
41	1074	86.8	218	US-10-264-049-2296	Sequence 30, App
42	1050	84.9	236	US-09-859-053-30	Sequence 1, App
43	1049	84.8	241	US-10-221-945-1	Sequence 36, App
44	1047.5	84.7	240	US-10-159-006-36	
45	1044	84.4	12	US-10-159-006-36	

ALIGNMENTS

RESULT 1
US-10-384-933-127
Sequence 127, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Setizawa, Hi. US20030170817A1utusa
APPLICANT: Haruyama, Hiroyuki
APPLICANT: Nakamura, Kaori
APPLICANT: Takahashi, Ikuro
APPLICANT: Takahashi, Toru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 127
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURES:
FEATURL: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-127
Query Match 100.0%; Score 1237; DB 12; Length 238;
Best Local Similarity 100.0%; Pred. No. 5.3e-85;
Matches 238; Mismatches 0; Indels 0; Gaps 0;
QY 1 METDTLLMTLLWVPGSTGDIYVTPSPSLASVGRVTLTICRKSQSVVDYDGSYNNWY 60
Db 1 METDTLLMTLLWVPGSTGDIYVTPSPSLASVGRVTLTICRKSQSVVDYDGSYNNWY 60
QY 61 QOKPKAPKLLIYASNLGSGVPRFSGSGGDTFTLTSSIQPEDFATYYCOQENRPR 120

Db 61 QOKGKAPKLLIYAASNLSEGVPSRFGSGGTDFTLTISLQPEDPATYCCQSNEDPR 120
QY 121 TFGGKTVEIKRTYAASVFIFFPSDEQLKSGTASVCLANNFYPRKAKYOMKYDNLQ 180
Db 121 TFGGKTVEIKRTYAASVFIFFPSDEQLKSGTASVCLANNFYPRKAKYOMKYDNLQ 180
QY 181 GNSQESVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
Db 181 GNSQESVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

RESULT 2

US-10-216-484-127
Sequence 127, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT FILING DATE: 2002-08-09
PRIOR FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 127
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: Chain of humanized anti-Fas antibody
US-10-216-484-127

Query Match 100.0%; Score 1237; DB 15; Length 238;
Best Local Similarity 100.0%; Pred. No. 5.3e-85;
Matches 238; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 METDTILLWVLLWVPGSTGDIVLTQSPSSLSASVGDRTVITTKASQSVYDGDGSYNNMY 60
Db 1 METDTILLWVLLWVPGSTGDIVLTQSPSSLSASVGDRTVITTKASQSVYDGDGSYNNMY 60
QY 61 QOKGKAPKLLIYAASNLSEGVPSRFGSGGTDFTLTISLQPEDPATYCCQSNEDPR 120
Db 61 QOKGKAPKLLIYAASNLSEGVPSRFGSGGTDFTLTISLQPEDPATYCCQSNEDPR 120
QY 121 TFGGKTVEIKRTYAASVFIFFPSDEQLKSGTASVCLANNFYPRKAKYOMKYDNLQ 180
Db 121 TFGGKTVEIKRTYAASVFIFFPSDEQLKSGTASVCLANNFYPRKAKYOMKYDNLQ 180
QY 181 GNSQESVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
Db 181 GNSQESVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

RESULT 3

US-10-384-933-131
Sequence 131, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933

;; CURRENT FILING DATE: 2003-02-05
;; PRIOR APPLICATION NUMBER: US/09/499,662
;; PRIOR FILING DATE: 2000-02-09
;; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
;; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
;; NUMBER OF SEQ ID NOS: 165
;; SEQ ID NO 131
;; LENGTH: 238
;; TYPE: PRT
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Description of Artificial Sequence: Designed light
;; OTHER INFORMATION: Chain of humanized anti-Fas antibody
US-10-384-933-131

Query Match 99.9%; Score 1236; DB 12; Length 238;
Best Local Similarity 99.6%; Pred. No. 6.3e-85;
Matches 237; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1 METDTILLWVLLWVPGSTGDIVLTQSPSSLSASVGDRTVITTKASQSVYDGDGSYNNMY 60
Db 1 METDTILLWVLLWVPGSTGDIVLTQSPSSLSASVGDRTVITTKASQSVYDGDGSYNNMY 60
QY 61 QOKGKAPKLLIYAASNLSEGVPSRFGSGGTDFTLTISLQPEDPATYCCQSNEDPR 120
Db 61 QOKGKAPKLLIYAASNLSEGVPSRFGSGGTDFTLTISLQPEDPATYCCQSNEDPR 120
QY 121 TFGGKTVEIKRTYAASVFIFFPSDEQLKSGTASVCLANNFYPRKAKYOMKYDNLQ 180
Db 121 TFGGKTVEIKRTYAASVFIFFPSDEQLKSGTASVCLANNFYPRKAKYOMKYDNLQ 180
QY 181 GNSQESVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
Db 181 GNSQESVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

RESULT 4

US-10-216-484-131
Sequence 131, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT FILING DATE: 2002-08-09
PRIOR FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/10/216,484
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 131
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: Chain of humanized anti-Fas antibody
US-10-216-484-131

Query Match 99.9%; Score 1236; DB 15; Length 238;
Best Local Similarity 99.6%; Pred. No. 6.3e-85;
Matches 237; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1 METDTILLWVLLWVPGSTGDIVLTQSPSSLSASVGDRTVITTKASQSVYDGDGSYNNMY 60
Db 1 METDTILLWVLLWVPGSTGDIVLTQSPSSLSASVGDRTVITTKASQSVYDGDGSYNNMY 60
QY 61 QOKGKAPKLLIYAASNLSEGVPSRFGSGGTDFTLTISLQPEDPATYCCQSNEDPR 120

Db 61 OOKGKAPKLLIYAASNLSEGVPSRFSGSGGTDTFTLTSLOPEDFATYYCOQSNEDPR 120
Qy 121 TFGGKTKEIKRTVAAPSVFIFFPSDEQLKSGTASVVCCLNNFYPREAKVOMKVDNALQS 180
Db 121 TFGGKTKEIKRTVAAPSVFIFFPSDEQLKSGTASVVCCLNNFYPREAKVOMKVDNALQS 180
Qy 181 GNSQSVTEQDSKOSTYSLSSTLTLSKADYKHKYVACEVTHQGLSPVTKSPFNNGEC 238
Db 181 GNSQSVTEQDSKOSTYSLSSTLTLSKADYKHKYVACEVTHQGLSPVTKSPFNNGEC 238

RESULT 5

US-10-384-933-129
; Sequence 129, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haryuama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tanaki, Ikuko
; APPLICANT: Takahashi, Toku
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 129
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-129

Query Match 99.7%; Score 1233; DB 12; Length 238;
Best Local Similarity 99.6%; Pred. No. 1.1e-84;
Matches 237; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Qy 1 METDTLLMWLLWVPGSTGDIIVLTQSPSSLSASVGRVITTCRASQSVVDYDGSYNNMY 60
Db 1 METDTLLMWLLWVPGSTGDIIVLTQSPSSLSASVGRVITTCRASQSVVDYDGSYNNMY 60
Qy 61 OOKGKAPKLLIYAASNLSEGVPSRFSGSGGTDTFTLTSLOPEDFATYYCOQSNEDPR 120
Db 61 OOKGKAPKLLIYAASNLSEGVPSRFSGSGGTDTFTLTSLOPEDFATYYCOQSNEDPR 120
Qy 121 TFGGKTKEIKRTVAAPSVFIFFPSDEQLKSGTASVVCCLNNFYPREAKVOMKVDNALQS 180
Db 121 TFGGKTKEIKRTVAAPSVFIFFPSDEQLKSGTASVVCCLNNFYPREAKVOMKVDNALQS 180
Qy 181 GNSQSVTEQDSKOSTYSLSSTLTLSKADYKHKYVACEVTHQGLSPVTKSPFNNGEC 238
Db 181 GNSQSVTEQDSKOSTYSLSSTLTLSKADYKHKYVACEVTHQGLSPVTKSPFNNGEC 238

RESULT 6

US-10-216-484-129
; Sequence 129, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haryuama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tanaki, Ikuko
; APPLICANT: Takahashi, Toku
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG

; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 129
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-129

Query Match 99.7%; Score 1233; DB 15; Length 238;
Best Local Similarity 99.6%; Pred. No. 1.1e-84;
Matches 237; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Qy 1 METDTLLMWLLWVPGSTGDIIVLTQSPSSLSASVGRVITTCRASQSVVDYDGSYNNMY 60
Db 1 METDTLLMWLLWVPGSTGDIIVLTQSPSSLSASVGRVITTCRASQSVVDYDGSYNNMY 60
Qy 61 OOKGKAPKLLIYAASNLSEGVPSRFSGSGGTDTFTLTSLOPEDFATYYCOQSNEDPR 120
Db 61 OOKGKAPKLLIYAASNLSEGVPSRFSGSGGTDTFTLTSLOPEDFATYYCOQSNEDPR 120
Qy 121 TFGGKTKEIKRTVAAPSVFIFFPSDEQLKSGTASVVCCLNNFYPREAKVOMKVDNALQS 180
Db 121 TFGGKTKEIKRTVAAPSVFIFFPSDEQLKSGTASVVCCLNNFYPREAKVOMKVDNALQS 180
Qy 181 GNSQSVTEQDSKOSTYSLSSTLTLSKADYKHKYVACEVTHQGLSPVTKSPFNNGEC 238
Db 181 GNSQSVTEQDSKOSTYSLSSTLTLSKADYKHKYVACEVTHQGLSPVTKSPFNNGEC 238

RESULT 7

US-10-384-933-107
; Sequence 107, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haryuama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tanaki, Ikuko
; APPLICANT: Takahashi, Toku
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/10/384,933
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 107
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-107

Query Match 94.8%; Score 1173; DB 12; Length 238;
Best Local Similarity 92.9%; Pred. No. 3.2e-80;
Matches 221; Conservative 10; Mismatches 7; Indels 0; Gaps 0;
Qy 1 METDTLLMWLLWVPGSTGDIIVLTQSPSSLSASVGRVITTCRASQSVVDYDGSYNNMY 60
Db 1 METDTLLMWLLWVPGSTGDIIVLTQSPSSLSASVGRVITTCRASQSVVDYDGSYNNMY 60

[illegible]

```

RESULT 8
US-10-216-484-107
; Sequence 107, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Hattayama, Hideyuki
; APPLICANT: Nakanara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tokuru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 107
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-107

```

```

RESULT 9
US-10-384-933-50
; Sequence 50, Application US/10384933
; Publication No. US20030170817A1
GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufuea
; APPLICANT: Hattayama, Hiideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Pas Antibodies

```

```

: FILE REFERENCE: 980126CIP/HG
:
: CURRENT APPLICATION NUMBER: US/10/384,933
:
: CURRENT FILING DATE: 2003-02-05
:
: PRIOR APPLICATION NUMBER: US/09/499,662
:
: PRIOR FILING DATE: 2000-02-09
:
: PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
:
: PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
:
: NUMBER OF SEQ ID NOS: 165
:
: SEQ ID NO 50
:
: LENGTH: 238
:
: TYPE: PRT
:
: ORGANISM: Artificial Sequence
:
: FEATURE:
:
: OTHER INFORMATION: Description of Artificial Sequence: Designed light
:
: OTHER INFORMATION: chain of humanized anti-Pas antibody
:
: US-10-384-933-50

```

Query Match	94.4%	Score 1168	DB 12	length 238
Best Local Similarity	92.4%	Pred. No. 7,6e-80		
Matches	220	Conservative 10	Mismatches 8	Indels 0
			Gaps 0	
QY	1	METDTILLVLLLWVPGSTGDIVLTQSPSSLSASVGRVLTTCASQSYVDYDGSYNNY	60	
Db	1	METDTILLVLLLWVPGSTGDIVLTQSPGTLTSLSPGERATLSCASQSYVDYDGSYNNY	60	
QY	61	QOKPKAKKLIIYAASNIEGVPSPFGSGGTDPLTITSLQPDPAFYVCOQSNEDR	120	
Db	61	QOKPKQAPRLIIYAASNIESGIPDFSGSGGTDPLTITSLRPPADPAFYVCOQSNEDR	120	
QY	121	TFQGGTKVIEIKRTVAPSVFIIPPSPDEDLKSGTASVCLNNFYPREAKVQMKVDNALQS	180	
Db	121	TFQGGTRLEIKRTVAPSVFIIPPSPDEDLKSGTASVCLNNFYPREAKVQMKVDNALQS	180	
QY	181	GNSQGSVTEQNSKDSYSLSTLTLSKADYEKKHKYACAEVTHQGLSSPYTKSFNNGEC	238	
Db	181	GNSQGSVTEQNSKDSYSLSTLTLSKADYEKKHKYACAEVTHQGLSSPYTKSFNNGEC	238	

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RESULT 10
US-10-216-484-50
; Sequence 50, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126C1P/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 50
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
FEATURE:
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-50

```

```

Query Match Similarity 94.4% Score 1168; DB 15; length 238;
Best Local Similarity 92.4% Pred. No. 7,6e-80;
Matches 220; Conservative 10; Mismatches 8; Indels 0; Gaps 0

QY 1 METDTLLMLVLLVPGSTGDIIVLTQSPPSLSASVGDRTITCKASQSYDYGDSYNNY 60
Db 1 METDTLLMLVLLVPGSTGDIIVLTQSPGSLSLSGEARTSLCKASQSYDYGDSYNNY 60

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Db 1 METDTILLWVLLWVPGSTGIVLTQSPGTLISLSPGERATLSCAKASQGVVDYDGSYNNMY 60
QY 61 QOKPKAPKLLIYAASNLSEGVPSRFSGSGSGTDTFTLTISLQPEDPATYTCQOSNEDPR 120
Db 61 QOKPGQAPRLIYAASNLSEGIPIPRFSGSGSGTDTFTLTIHVEEDDAATYTCQOSNEDPR 120
QY 121 TFGGQTKLEIKRTVAAPSVFIIPPSPDEQLKSGTASVVCILNNFYPREAKVQMKVDNALQS 180
Db 121 TFGGQTKLEIKRTVAAPSVFIIPPSPDEQLKSGTASVVCILNNFYPREAKVQMKVDNALQS 180
QY 181 GNSGESVTEODSKDSTYSLSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
Db 181 GNSGESVTEODSKDSTYSLSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238

RESULT 14
US-10-216-484-109
; Sequence 109, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Hatuyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Toku
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216, 484
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499, 662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053, 583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 109
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-109

Query Match 93.3%; Score 1154; DB 15; Length 238;
Best Local Similarity 91.6%; Pred. No. 8.5e-79;
Matches 218; Conservative 11; Mismatches 9; Indels 0; Gaps 0;
QY 1 METDTILLWVLLWVPGSTGIVLTQSPGTLISLSPGERATLSCAKASQGVVDYDGSYNNMY 60
Db 1 METDTILLWVLLWVPGSTGIVLTQSPGTLISLSPGERATLSCAKASQGVVDYDGSYNNMY 60
QY 61 QOKPKAPKLLIYAASNLSEGVPSRFSGSGSGTDTFTLTISLQPEDPATYTCQOSNEDPR 120
Db 61 QOKPGQAPRLIYAASNLSEGIPIPRFSGSGSGTDTFTLTIHVEEDDAATYTCQOSNEDPR 120
QY 121 TFGGQTKLEIKRTVAAPSVFIIPPSPDEQLKSGTASVVCILNNFYPREAKVQMKVDNALQS 180
Db 121 TFGGQTKLEIKRTVAAPSVFIIPPSPDEQLKSGTASVVCILNNFYPREAKVQMKVDNALQS 180
QY 181 GNSGESVTEODSKDSTYSLSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
Db 181 GNSGESVTEODSKDSTYSLSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238

RESULT 15
US-10-384-933-54
; Sequence 54, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Hatuyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko

; APPLICANT: Takahashi, Toku
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384, 933
; PRIOR FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499, 662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053, 583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 54
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-54

Query Match 93.2%; Score 1153; DB 12; Length 238;
Best Local Similarity 91.6%; Pred. No. 1e-78;
Matches 218; Conservative 10; Mismatches 10; Indels 0; Gaps 0;
QY 1 METDTILLWVLLWVPGSTGIVLTQSPGTLISLSPGERATLSCAKASQGVVDYDGSYNNMY 60
Db 1 METDTILLWVLLWVPGSTGIVLTQSPGTLISLSPGERATLSCAKASQGVVDYDGSYNNMY 60
QY 61 QOKPKAPKLLIYAASNLSEGVPSRFSGSGSGTDTFTLTISLQPEDPATYTCQOSNEDPR 120
Db 61 QOKPGQAPRLIYAASNLSEGIPIPRFSGSGSGTDTFTLTIHVEEDDAATYTCQOSNEDPR 120
QY 121 TFGGQTKLEIKRTVAAPSVFIIPPSPDEQLKSGTASVVCILNNFYPREAKVQMKVDNALQS 180
Db 121 TFGGQTKLEIKRTVAAPSVFIIPPSPDEQLKSGTASVVCILNNFYPREAKVQMKVDNALQS 180
QY 181 GNSGESVTEODSKDSTYSLSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
Db 181 GNSGESVTEODSKDSTYSLSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238

Search completed: February 20, 2004, 14:25:35
Job time : 18.0486 secs

Mon Feb 23 07:54:34 2004

us-09-499-662-129.ra1

Page 1

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: February 20, 2004, 13:23:52 ; Search time 7.89311 Seconds
(without alignments)
1275.794 Million cell updates/sec

Title: US-09-499-662-129

Sequence: 1 METDTITLWVLLWVPGSTG.....EVTHQGLSPVTKSFNRGEC 238

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA.*
1: /cgn2_6/ptodata/1/1aa/5A.COMB.pep.*
2: /cgn2_6/ptodata/1/1aa/5B.COMB.pep.*
3: /cgn2_6/ptodata/1/1aa/6A.COMB.pep.*
4: /cgn2_6/ptodata/1/1aa/6B.COMB.pep.*
5: /cgn2_6/ptodata/1/1aa/PCITUS.COMB.pep.*
6: /cgn2_6/ptodata/1/1aa/backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1108	89.6	218	5 PCT-US96-13152-2	Sequence 2, Appl
2	1096	88.6	218	2 US-08-887-352B-13	Sequence 13, Appl
3	1096	88.6	218	3 US-08-466-151-9	Sequence 9, Appl
4	1096	88.6	218	3 US-09-109-207C-13	Sequence 13, Appl
5	1096	88.6	218	3 US-09-296-005-13	Sequence 9, Appl
6	1096	88.6	218	4 US-08-466-163B-9	Sequence 1, Appl
7	1073	86.7	218	3 US-09-282-505-1	Sequence 1, Appl
8	1073	86.7	218	3 US-09-054-255-1	Sequence 1, Appl
9	1073	86.7	218	4 US-09-282-846-1	Sequence 1, Appl
10	1073	86.7	218	4 US-09-680-145-1	Sequence 15, Appl
11	1070	86.5	218	2 US-08-887-352B-17	Sequence 17, Appl
12	1070	86.5	218	2 US-08-887-352B-19	Sequence 19, Appl
13	1070	86.5	218	2 US-08-887-352B-24	Sequence 24, Appl
14	1070	86.5	218	3 US-09-109-207C-15	Sequence 15, Appl
15	1070	86.5	218	3 US-09-109-207C-17	Sequence 17, Appl
16	1070	86.5	218	3 US-09-109-207C-19	Sequence 19, Appl
17	1070	86.5	218	3 US-09-109-207C-24	Sequence 24, Appl
18	1070	86.5	218	3 US-09-296-005-15	Sequence 15, Appl
19	1070	86.5	218	3 US-09-296-005-17	Sequence 17, Appl
20	1070	86.5	218	3 US-09-296-005-19	Sequence 19, Appl
21	1070	86.5	218	3 US-09-296-005-24	Sequence 24, Appl
22	1048	83.8	234	4 US-09-301-593-36	Sequence 36, Appl
23	1036	82.3	234	4 US-07-934-373C-25	Sequence 25, Appl
24	1018.5	82.3	233	2 US-08-437-642B-25	Sequence 25, Appl
26	1018.5	82.3	233	4 US-08-146-206C-25	Sequence 25, Appl
27	1018.5	82.3	233	4 US-08-146-206C-25	Sequence 25, Appl

28	1018.5	82.3	233	5 PCT-US93-07832-25	Sequence 25, Appl
29	1015	82.1	214	2 US-07-934-373C-39	Sequence 39, Appl
30	1015	82.1	214	3 US-08-437-642B-39	Sequence 39, Appl
31	1015	82.1	214	5 PCT-US93-07832-39	Sequence 40, Appl
32	1010	81.6	214	2 US-07-934-373C-40	Sequence 11, Appl
33	1010	81.6	214	2 US-08-788-800-11	Sequence 40, Appl
34	1010	81.6	214	3 US-08-437-642B-40	Sequence 2, Appl
35	1010	81.6	214	3 US-09-097-309-2	Sequence 2, Appl
36	1010	81.6	214	3 US-09-097-171A-2	Sequence 2, Appl
37	1010	81.6	214	4 US-09-460-587-2	Sequence 40, Appl
38	1010	81.6	214	5 PCT-US93-07832-40	Sequence 6, Appl
39	1010	81.6	237	3 US-09-097-309-6	Sequence 10, Appl
40	1010	81.6	237	3 US-09-097-171A-10	Sequence 2, Appl
41	1010	81.6	237	3 US-09-422-712B-2	Sequence 2, Appl
42	1010	81.6	237	3 US-09-607-756-2	Sequence 40, Appl
43	1010	81.6	237	4 US-09-460-587-6	Sequence 62, Appl
44	1006.5	81.4	242	3 US-09-027-449-62	Sequence 62, Appl
45	1006.5	81.4	242	3 US-09-026-985-62	Sequence 62, Appl

ALIGNMENTS

RESULT 1
PCT-US96-13152-2
Sequence 2, Application PC/TUS9613152
GENERAL INFORMATION:
APPLICANT: Martin, Ulrich, et al.
TITLE OF INVENTION: Anti-selectin antibodies for prevention of multiple organ failure
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Felle & Lynch
ADDRESSEE: Attn: Norman D. Hanson
STREET: 805 Third Avenue
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Computer Disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/13152
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/578,953
FILING DATE: 27-Dec-95
APPLICATION NUMBER: EP 95 112 895.8
FILING DATE: 17-Aug-95
APPLICATION NUMBER: EP 95 114 969.9
FILING DATE: 19-Sep-95
ATTORNEY/AGENT INFORMATION:
NAME: Norman D. Hanson
REGISTRATION NUMBER: 30,946
REFERENCE/DOCKET NUMBER: BOER 1059-PCT-PFE/NDH
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 838-3884
TELEFAX: (212) 838-3884
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 218
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US96-13152-2
Query Match: 89.6%; Score 1108; DB 5; Length 218;
Best Local Similarity: 97.7%; Pred. No. 5,9e-87; Indels 0; Gaps 0;
Matches 213; Conservative

QY 201 STLTLSKADYERKHKVYACEVTHQGLSSPTKSFNRGEC 238
DB 181 STLTLSKADYERKHKVYACEVTHQGLSSPTKSFNRGEC 218

RESULT 4
US-09-109-207C-13
Sequence 13, Application US/09109207C

GENERAL INFORMATION:
PATENT NO. 6172213
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
TITLE OF INVENTION: Improved Anti-1G6 Antibodies and Method of Improving Polypeptide
FILE REFERENCE: P1123R1
CURRENT APPLICATION NUMBER: US/09/109,207C
CURRENT FILING DATE: 1998-06-30
PRIOR APPLICATION NUMBER: US 60/051,554
PRIOR FILING DATE: 1997-07-03
NUMBER OF SEQ ID NOS: 44
SEQ ID NO 13
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial
FEATURE:
NAME/KEY: Artificial
LOCATION: 1-218
OTHER INFORMATION: Light chain sequence derived from MAE11
US-09-109-207C-13

Query Match 88.6%; Score 1096; DB 3; Length 218;
Best Local Similarity 97.2%; Pred. No. 6,2e-86;
Matches 212; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 21 DIVLTQSPSSLSASVGDRTVITTCRASQSVYDGDSTNNWYQOKPGQAPKLLIYAASNTLS 80
DB 1 DIQLTQSPSSLSASVGDRTVITTCRASQSVYDGDSTNNWYQOKPGQAPKLLIYAASNTLS 60
QY 81 GVPSRPSGSGSTDTFTLTSSLOPEDFATYYCOQSHEDPTFGQGTVEIKRTVAAPSVF 140
DB 61 GVPSRPSGSGSTDTFTLTSSLOPEDFATYYCOQSHEDPTFGQGTVEIKRTVAAPSVF 120
QY 141 IFPPSDQLKSGTASVYVCLINNFYPREAKVQKVNALQSGNSQSVTEQDSKSTYSLS 200
DB 121 IFPPSDQLKSGTASVYVCLINNFYPREAKVQKVNALQSGNSQSVTEQDSKSTYSLS 180
QY 201 STLTLSKADYERKHKVYACEVTHQGLSSPTKSFNRGEC 238
DB 181 STLTLSKADYERKHKVYACEVTHQGLSSPTKSFNRGEC 218

RESULT 5
US-09-236-005-13
Sequence 13, Application US/09296005

GENERAL INFORMATION:
PATENT NO. 6290957
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
TITLE OF INVENTION: Improved Anti-1G6 Antibodies and Method of Improving Polypeptides
FILE REFERENCE: P1123C1R
CURRENT APPLICATION NUMBER: US/09/296,005
CURRENT FILING DATE: 1999-04-21
PRIOR APPLICATION NUMBER: US 08/887,352
PRIOR FILING DATE: 1997-07-02
NUMBER OF SEQ ID NOS: 26
SEQ ID NO 13
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial
FEATURE:
NAME/KEY: Artificial
LOCATION: 1-218
OTHER INFORMATION: Light chain sequence derived from MAE11
US-09-236-005-13

Query Match 88.6%; Score 1096; DB 3; Length 218;
Best Local Similarity 97.2%; Pred. No. 6,2e-86;
Matches 212; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 21 DIVLTQSPSSLSASVGDRTVITTCRASQSVYDGDSTNNWYQOKPGQAPKLLIYAASNTLS 80
DB 1 DIQLTQSPSSLSASVGDRTVITTCRASQSVYDGDSTNNWYQOKPGQAPKLLIYAASNTLS 60
QY 81 GVPSRPSGSGSTDTFTLTSSLOPEDFATYYCOQSHEDPTFGQGTVEIKRTVAAPSVF 140
DB 61 GVPSRPSGSGSTDTFTLTSSLOPEDFATYYCOQSHEDPTFGQGTVEIKRTVAAPSVF 120
QY 141 IFPPSDQLKSGTASVYVCLINNFYPREAKVQKVNALQSGNSQSVTEQDSKSTYSLS 200
DB 121 IFPPSDQLKSGTASVYVCLINNFYPREAKVQKVNALQSGNSQSVTEQDSKSTYSLS 180
QY 201 STLTLSKADYERKHKVYACEVTHQGLSSPTKSFNRGEC 238
DB 181 STLTLSKADYERKHKVYACEVTHQGLSSPTKSFNRGEC 218

RESULT 6
US-08-466-163B-9
Sequence 9, Application US/08466163B

GENERAL INFORMATION:
PATENT NO. 6329509
APPLICANT: Jardiou, Leonard G.
TITLE OF INVENTION: Immunoglobulin Variants
FILE REFERENCE: P0718P2C1D1
CURRENT APPLICATION NUMBER: US/08/466,163B
CURRENT FILING DATE: 1995-06-06
PRIOR APPLICATION NUMBER: US 08/405,617
PRIOR FILING DATE: 1995-03-15
PRIOR APPLICATION NUMBER: US 08/185,899
PRIOR FILING DATE: 1994-01-26
PRIOR APPLICATION NUMBER: US 07/879,495
PRIOR FILING DATE: 1992-05-07
PRIOR APPLICATION NUMBER: US 07/744,768
PRIOR FILING DATE: 1991-08-14
NUMBER OF SEQ ID NOS: 64
SEQ ID NO 9
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial
OTHER INFORMATION: humanized mae11, version 1, light chain
US-08-466-163B-9

Query Match 88.6%; Score 1096; DB 4; Length 218;
Best Local Similarity 97.2%; Pred. No. 6,2e-86;
Matches 212; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 21 DIVLTQSPSSLSASVGDRTVITTCRASQSVYDGDSTNNWYQOKPGQAPKLLIYAASNTLS 80
DB 1 DIQLTQSPSSLSASVGDRTVITTCRASQSVYDGDSTNNWYQOKPGQAPKLLIYAASNTLS 60
QY 81 GVPSRPSGSGSTDTFTLTSSLOPEDFATYYCOQSHEDPTFGQGTVEIKRTVAAPSVF 140
DB 61 GVPSRPSGSGSTDTFTLTSSLOPEDFATYYCOQSHEDPTFGQGTVEIKRTVAAPSVF 120
QY 141 IFPPSDQLKSGTASVYVCLINNFYPREAKVQKVNALQSGNSQSVTEQDSKSTYSLS 200
DB 121 IFPPSDQLKSGTASVYVCLINNFYPREAKVQKVNALQSGNSQSVTEQDSKSTYSLS 180
QY 201 STLTLSKADYERKHKVYACEVTHQGLSSPTKSFNRGEC 238
DB 181 STLTLSKADYERKHKVYACEVTHQGLSSPTKSFNRGEC 218

RESULT 7
US-09-282-505-1
Sequence 1, Application US/09282505A

Patent No. 6194551
 GENERAL INFORMATION:
 APPLICANT: Eschre Ektanaduse Idusogie et al.
 TITLE OF INVENTION: Polypeptide Variants
 FILE REFERENCE: P1266R1
 CURRENT APPLICATION NUMBER: US/09/282,505A
 CURRENT FILING DATE: 1999-03-31
 NUMBER OF SEQ ID NOS: 2
 SEQ ID NO 1
 LENGTH: 218
 TYPE: PRT
 ORGANISM: Artificial Sequence
 FEATURE:
 NAME/KEY: Artificial Sequence
 LOCATION: 1-218
 OTHER INFORMATION: Sequence is completely synthesized
 Patent No. 6194551
 US-09-282-505-1

Query Match	86.7%;	Score 1073;	DB 3;	Length 218;
Best Local Similarity	95.4%;	Pred. No. 5.6e-84;		
Matches 208;	Conservative 5;	Mismatches 5;	Indels 0;	Gaps 0;

Qy 21 D V L T Q S P E S L S A S V G D R V I I T C K A S Q S V D Y D G S Y M N W Y Q Q K P E Q A P K L I I Y A S N L E S 80
Db 1 D I O T Q S P E S L S A S V G D R V I I T C K A S K P A D E G G S Y M N W Y Q Q K P E Q A P K L I I Y A S Y L E S 60

QY	DB
81	61
GVPSRFRSGSSGCTDFTLLTISLQPEPATYTCQSSNDRPTGCGTVEIKRTVAASPVE	GVPSRFRSGSSGCTDFTLLTISLQPEPATYTCQSSNDRPTGCGTVEIKRTVAASPVE
140	120

QY	141	121	Db
IFPSPDEOLKSGTASVCLNNFYPREAKVMKVDNALQSGNSQESTTBODSKDSTYSLS	IFPSPDEOLKSGTASVCLNNFYPREAKVMKVDNALQSGNSQESTTBODSKDSTYSLS	IFPSPDEOLKSGTASVCLNNFYPREAKVMKVDNALQSGNSQESTTBODSKDSTYSLS	IFPSPDEOLKSGTASVCLNNFYPREAKVMKVDNALQSGNSQESTTBODSKDSTYSLS
200	200	180	180

QY	201	STLTLSKADYEKHYACEVTHOGLSSPVTKSFNRGEC	238
Db	181	STLTLSKADYEKHYACEVTHOGLSSPVTKSFNRGEC	218

RESULT 8
US-09-054-255-1

;; sequence 1, Application US/03054255
;; Patent No. 6242195
;; GENERAL INFORMATION:
;; APPLICANT: Esche Ekinadese Idusocie et al

```

;
; TITLE OF INVENTION: polypeptide variants
;
; FILE REFERENCE: P1266
;
; CURRENT APPLICATION NUMBER: US/09/054,255
;
; CURRENT FILING DATE: 1998-04-02
;

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; NUMBER OF SE
; SEQ ID NO 1
; LENGTH: 218
TYPE: PRT

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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: E27 anti-IgE antibody light chain
RS-08-054-255-1

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Query Match	86.7%	Score 1073	DB 3	Length 218
Best Local Similarity	95.4%	Pred. No. 5.6e-84		
Matches 208; Conservative	5	Mismatches 5	Indels 0	Gaps 0

DY 21 DVLTLSPSSLSASVGDRTITTCASQSVDYDGSIMNNWYQOKPGQA PKLLIYAASNLES
||| ||| : | :
Db 1 DIQLTSPSSLSASVGDRTITTCASKPYVGEGDSIMNNWYQOKPGKA PKLLIYAASYES

QY 81 GVPSRFSGSGSDTFTLTISLQPEDPATYCCQSNEDPRFGQTKVEIKRTVAASVF 140

DB 61 GVPSRFSGSGSDTFTLTISLQPEDPATYCCQSNEDPRFGQTKVEIKRTVAASVF 120

0y 141 I P P S D E Q L K S T A S V V C L I N N F Y P R E A K V Q W K D N A L Q S G N S O E S Y T E Q D S K D S T Y S L S 200

Db	Qy	Db
121	STLTLSKADYEKKHVTACGEVTHQGISSPVYTSFNRGEC 238	121
181	STLTLSKADYEKKHVTACGEVTHQGISSPVYTSFNRGEC 218	181

RESULT 9
US-09-282-846-1

Patent No. 6528624
GENERAL INFORMATION:
APPLICANT: Esohe Ekinaduse Idusogie et al

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; FILE REFERENCE: P1266R2
; CURRENT APPLICATION NUMBER: US/09/282,846
; CURRENT FILING DATE: 1999-03-31

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; SEQ ID NO 1
; LENGTH: 218
; TYPE: PRT

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; ORGANISM: Artificial Sequence
;
; FEATURE:
; NAME/KEY: Artificial Sequence
; LOCATION: 1-218
;

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OTHER INFORMATION: sequence is completely synthesize
; Patent No. 6528624
US-09-282-846-1

Query match	88.7%	Score 10.5	DB 4	Length 20
Best Local Similarity	95.4%	Pred. No. 5.6e-84		
Matches 208; Conservative	5	Mismatches	5	Indels 0; Gaps 0

Df

1 D I Q L T G S P S S L A S V G E R V T T C R A S K F P V D G E G D S Y N M W Y Q Q K G K A P K U L I Y A S Y L E S 600

81 GVPRFSGSSGSDPTLLTSSLPEDFATYCCQSHEDPRFGGQIKVEIKRTVAASVF 140
 ||||| : |||||
 Db 61 GVPRFSGSSGSDPTLLTSSLPEDFATYCCQSHEDPYRFGGQIKVEIKRTVAASVF 120

Db

Qy 141 IFFPSDEQLKSGTASVCLINNFYPREAKQWKDNALQSNGSESTTEQSDKDSISLS
| | | | |
121 IFFPSDEQLKSGTASVCLINNFYPREAKQWKDNALQSNGSESTTEQSDKDSISLS 180

```

QY      201 STLTISKADYEKHKYACEVTHQGLSSPYTKSFNNGEC 238
      |||||
Db      181 STLTISKADYEKHKYACEVTHQGLSSPYTKSFNNGEC 218

```

RESULT 10
US-09-680-145-1

; Patent No. 6538124
; GENERAL INFORMATION:
; APPLICANT: Essoe Ekinaduese Idusogie et al

```

; FILE REFERENCE: P1266R1
; CURRENT APPLICATION NUMBER: US/09/680,145
; CURRENT FILING DATE: 2000-10-03

```

```

; PRIOR FILING DATE: 1999
; NUMBER OF SEQ ID NOS: 2
; SEQ ID NO 1

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```

;
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
;

```

```

; LOCATION: 1-218
; OTHER INFORMATION: Sequence is completely synthesized
; Patent No. 6538124

```

C
 D
 E
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 H
 I
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 K
 L
 M
 N
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 R
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 Y
 Z

Query Match 86.7%; Score 1073; DB 4; Length 218;
Best Local Similarity 95.4%; Pred. No. 5, 6e-84;
Matches 208; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

QY 21 DIVLTQSPSSLSASVGRVTTITCKASQSVVDYDGSYNNMWYQKPGQAPKLLIYAASNLES 80
DB 1 DIQLTQSPSSLSASVGRVTTITCKASQSVVDYDGSYNNMWYQKPGQAPKLLIYAASNLES 60

QY 81 GVPSPFSSGSGGTDTLTITSSIQPEDFATYYCOQSNEDPRTFGQGTKEIKRTVAAPSVF 140
DB 61 GVPSPFSSGSGGTDTLTITSSIQPEDFATYYCOQSNEDPRTFGQGTKEIKRTVAAPSVF 120

QY 141 IFPPSDEOLKSGTASVCLNNFYPREAKVOMKVDNALQSGNSQESVTEGDSKDSSTYSLS 200
DB 121 IFPPSDEOLKSGTASVCLNNFYPREAKVOMKVDNALQSGNSQESVTEGDSKDSSTYSLS 180

QY 201 STLTLTKADYERKHKKYACEVTHQGLSSPVTXSPNRGEC 238
DB 181 STLTLTKADYERKHKKYACEVTHQGLSSPVTXSPNRGEC 218

RESULT 11
US-08-887-352B-15
; Sequence 15, Application US/08887352B
; Patent No. 5994511

GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
TITLE OF INVENTION: Improved Anti-Ig8 Antibodies and Method of
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESS: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887.352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-15

Query Match 86.5%; Score 1070; DB 2; Length 218;
Best Local Similarity 95.0%; Pred. No. 1e-83;
Matches 207; Conservative 6; Mismatches 5; Indels 0; Gaps 0;

QY 21 DIVLTQSPSSLSASVGRVTTITCKASQSVVDYDGSYNNMWYQKPGQAPKLLIYAASNLES 80
DB 1 DIQLTQSPSSLSASVGRVTTITCKASQSVVDYDGSYNNMWYQKPGQAPKLLIYAASNLES 60

QY 81 GVPSPFSSGSGGTDTLTITSSIQPEDFATYYCOQSNEDPRTFGQGTKEIKRTVAAPSVF 140
DB 61 GVPSPFSSGSGGTDTLTITSSIQPEDFATYYCOQSNEDPRTFGQGTKEIKRTVAAPSVF 120

QY 141 IFPPSDEOLKSGTASVCLNNFYPREAKVOMKVDNALQSGNSQESVTEGDSKDSSTYSLS 200
DB 121 IFPPSDEOLKSGTASVCLNNFYPREAKVOMKVDNALQSGNSQESVTEGDSKDSSTYSLS 180

QY 201 STLTLTKADYERKHKKYACEVTHQGLSSPVTXSPNRGEC 238
DB 181 STLTLTKADYERKHKKYACEVTHQGLSSPVTXSPNRGEC 218

RESULT 12
US-08-887-352B-17
; Sequence 17, Application US/08887352B
; Patent No. 5994511

GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
TITLE OF INVENTION: Improved Anti-Ig8 Antibodies and Method of
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESS: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887.352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-17

Query Match 86.5%; Score 1070; DB 2; Length 218;
Best Local Similarity 95.0%; Pred. No. 1e-83;
Matches 207; Conservative 6; Mismatches 5; Indels 0; Gaps 0;

QY 21 DIVLTQSPSSLSASVGRVTTITCKASQSVVDYDGSYNNMWYQKPGQAPKLLIYAASNLES 80
DB 1 DIQLTQSPSSLSASVGRVTTITCKASQSVVDYDGSYNNMWYQKPGQAPKLLIYAASNLES 60

QY 81 GVPSPFSSGSGGTDTLTITSSIQPEDFATYYCOQSNEDPRTFGQGTKEIKRTVAAPSVF 140
DB 61 GVPSPFSSGSGGTDTLTITSSIQPEDFATYYCOQSNEDPRTFGQGTKEIKRTVAAPSVF 120

QY 141 IFPPSDEOLKSGTASVCLNNFYPREAKVOMKVDNALQSGNSQESVTEGDSKDSSTYSLS 200
DB 121 IFPPSDEOLKSGTASVCLNNFYPREAKVOMKVDNALQSGNSQESVTEGDSKDSSTYSLS 180

QY 201 STLTLTKADYERKHKKYACEVTHQGLSSPVTXSPNRGEC 238
DB 181 STLTLTKADYERKHKKYACEVTHQGLSSPVTXSPNRGEC 218

RESULT 13
US-08-887-352B-19
; Sequence 19, Application US/08887352B
; Patent No. 5994511

GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of
TITLE OF INVENTION: Improving Polypeptides
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/952-9881
TELEFAX: 650/952-1489
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-19

Query Match 86.5%; Score 1070; DB 2; Length 218;
Best Local Similarity 95.0%; Pred. No. 1e-83;
Matches 207; Conservative 6; Mismatches 5; Indels 0; Gaps 0;

QY 21 DIVLTQSPSSLSASVGRVTITCKASQSVYDGDSDYNNWYQOKPGQAPKLLIYAASNLS 80
DB 1 DIQLTQSPSSLSASVGRVTITCKASQSVYDGDSDYNNWYQOKPGQAPKLLIYAASNLS 60
QY 81 GVPSRFGSGSGDPTLTITSSLOPEDPATYTCQOSHEDPTFGGTVEIKRTVAAPSVF 140
DB 61 GVPSRFGSGSGDPTLTITSSLOPEDPATYTCQOSHEDPTFGGTVEIKRTVAAPSVF 120
QY 141 IFPPSDQLKSGTASVCLNNFPYPRKAKVQWKVDNALQSGNSQESYTEVDSKDSYSTLS 200
DB 121 IFPPSDQLKSGTASVCLNNFPYPRKAKVQWKVDNALQSGNSQESYTEVDSKDSYSTLS 180
QY 201 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
DB 181 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 218

RESULT 14
US-08-887-352B-24
Sequence 24; Application US/08887352B
Patent No. 5994511

GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of
TITLE OF INVENTION: Improving Polypeptides
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/952-9881
TELEFAX: 650/952-1489
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-24

Query Match 86.5%; Score 1070; DB 2; Length 218;
Best Local Similarity 95.0%; Pred. No. 1e-83;
Matches 207; Conservative 6; Mismatches 5; Indels 0; Gaps 0;

QY 21 DIVLTQSPSSLSASVGRVTITCKASQSVYDGDSDYNNWYQOKPGQAPKLLIYAASNLS 80
DB 1 DIQLTQSPSSLSASVGRVTITCKASQSVYDGDSDYNNWYQOKPGQAPKLLIYAASNLS 60
QY 81 GVPSRFGSGSGDPTLTITSSLOPEDPATYTCQOSHEDPTFGGTVEIKRTVAAPSVF 140
DB 61 GVPSRFGSGSGDPTLTITSSLOPEDPATYTCQOSHEDPTFGGTVEIKRTVAAPSVF 120
QY 141 IFPPSDQLKSGTASVCLNNFPYPRKAKVQWKVDNALQSGNSQESYTEVDSKDSYSTLS 200
DB 121 IFPPSDQLKSGTASVCLNNFPYPRKAKVQWKVDNALQSGNSQESYTEVDSKDSYSTLS 180
QY 201 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
DB 181 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 218

RESULT 15
US-09-109-207C-15
Sequence 15; Application US/09109207C
Patent No. 6172213

GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of Improving Polypeptides
FILE REFERENCE: P1123RI
CURRENT APPLICATION NUMBER: US/09/109,207C
CURRENT FILING DATE: 1998-06-30
PRIOR APPLICATION NUMBER: US 60/051,554
PRIOR FILING DATE: 1997-07-03
NUMBER OF SEQ ID NOS: 44
SEQ ID NO 15
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial
FEATURE:
NAME/KEY: Artificial
LOCATION: 1-218
OTHER INFORMATION: Light chain sequence derived from MAE11
US-09-109-207C-15

Query Match 86.5%; Score 1070; DB 3; Length 218;
Best Local Similarity 95.0%; Pred. No. 1e-83;
Matches 207; Conservative 6; Mismatches 5; Indels 0; Gaps 0;

QY 21 DIVLTQSPSSLSASVGRVTITCKASQSVYDGDSDYNNWYQOKPGQAPKLLIYAASNLS 80
DB 1 DIQLTQSPSSLSASVGRVTITCKASQSVYDGDSDYNNWYQOKPGQAPKLLIYAASNLS 60

Mon Feb 23 07:54:34 2004

QY 81 GVPSPFSGSGSGNDPFTLTISLQPEDFATYYCOQSNEDPRTFGQTKVEIKRTVAAPSVF 140
 |||||
 Db 61 GVPSPFSGSGSGNDPFTLTISLQPEDFATYYCOQSHEDPRTFGQTKVEIKRTVAAPSVF 120
 |||||
 QY 141 IPPSPDEQLKSGTASVVCILNFFPRPAKQWKVDNALQSNQSPSTBEDSKDSTYSLS 200
 |||||
 Db 121 IPPSPDEQLKSGTASVVCILNFFPRPAKQWKVDNALQSNQSPSTBEDSKDSTYSLS 180
 |||||
 QY 201 STLTLSKADYKHKYACCEVTHOGLSSPYTKSFNRGEC 238
 |||||
 Db 181 STLTLSKADYKHKYACCEVTHOGLSSPYTKSFNRGEC 218
 |||||

Search completed: February 20, 2004, 13:35:07
 Job time : 7.89311 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: February 20, 2004, 13:31:02 ; Search time 18.0486 Seconds
(without alignments)
2761.047 Million cell updates/sec

Title: US-09-499-662-129

Perfect score: 1237
Sequence: 1 METDTLLWVLLWVPGSTG.....EVTHQGLSPYTKSPNREGC 238

Scoring table:

BLOSUM62
Gap 10.0 , Gapext 0.5

Searched: 801455 seqs, 209382283 residues

Total number of hits satisfying chosen parameters: 801455

Minimum DB seq length: 0
Maximum DB seq length: 2000000000Post-processing: Minimum Match 0%
Listing first 45 summaries

Database :

Published Applications AA:*
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*
4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*
5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*
6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep:*
7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep:*
8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
9: /cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep:*
10: /cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep:*
11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep:*
12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep:*
13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*
14: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*
15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*
16: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*
17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*
18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1237	100.0	238	12	US-10-384-933-129 Sequence 129, App
2	1237	100.0	238	15	US-10-216-484-129 Sequence 129, App
3	1233	99.7	238	12	US-10-384-933-127 Sequence 127, App
4	1233	99.7	238	15	US-10-216-484-127 Sequence 127, App
5	1232	99.6	238	12	US-10-384-933-131 Sequence 131, App
6	1232	99.6	238	15	US-10-216-484-131 Sequence 131, App
7	1177	95.1	238	12	US-10-384-933-107 Sequence 107, App
8	1177	95.1	238	15	US-10-216-484-107 Sequence 107, App
9	1172	94.7	238	12	US-10-384-933-50 Sequence 50, Appl
10	1172	94.7	238	15	US-10-216-484-50 Sequence 50, Appl
11	1159	93.7	238	12	US-10-384-933-52 Sequence 52, Appl
12	1159	93.7	238	15	US-10-216-484-52 Sequence 52, Appl
13	1158	93.6	238	12	US-10-384-933-109 Sequence 109, App
14	1158	93.6	238	15	US-10-216-484-109 Sequence 109, App
15	1157	93.5	238	12	US-10-384-933-54 Sequence 54, Appl

16	1157	93.5	238	15	US-10-216-484-54 Sequence 54, Appl
17	1149	92.9	238	12	US-10-353-708-38 Sequence 38, Appl
18	1149	92.9	238	15	US-10-353-708-56 Sequence 56, Appl
19	1149	92.9	238	15	US-10-171-452A-38 Sequence 38, Appl
20	1149	92.9	238	15	US-10-171-452A-56 Sequence 56, Appl
21	1139	92.1	238	12	US-10-353-708-44 Sequence 44, Appl
22	1139	92.1	238	15	US-10-353-708-50 Sequence 50, Appl
23	1139	92.1	238	15	US-10-171-452A-44 Sequence 44, Appl
24	1139	92.1	238	15	US-10-171-452A-50 Sequence 50, Appl
25	1108	89.6	218	9	US-09-917-410-2 Sequence 9, Appl
26	1096	88.6	218	9	US-09-802-077-9 Sequence 9, Appl
27	1096	88.6	218	9	US-09-802-056-9 Sequence 9, Appl
28	1096	88.6	218	9	US-09-920-171-13 Sequence 13, Appl
29	1096	88.6	218	11	US-09-925-179-9 Sequence 9, Appl
30	1096	88.6	218	12	US-10-113-996-13 Sequence 13, Appl
31	1081	87.4	218	11	US-09-925-179-67 Sequence 67, Appl
32	1073	86.7	218	12	US-10-292-869-1 Sequence 1, Appl
33	1073	86.7	218	12	US-09-792-938-1 Sequence 1, Appl
34	1070	86.5	218	9	US-09-920-171-15 Sequence 15, Appl
35	1070	86.5	218	9	US-09-920-171-17 Sequence 17, Appl
36	1070	86.5	218	9	US-09-920-171-19 Sequence 19, Appl
37	1070	86.5	218	9	US-09-920-171-24 Sequence 24, Appl
38	1070	86.5	218	12	US-10-113-996-15 Sequence 15, Appl
39	1070	86.5	218	12	US-10-113-996-17 Sequence 17, Appl
40	1070	86.5	218	12	US-10-113-996-19 Sequence 19, Appl
41	1070	86.5	218	12	US-10-113-996-24 Sequence 24, Appl
42	1048	84.7	240	12	US-10-159-006-36 Sequence 36, Appl
43	1046	84.6	260	12	US-10-264-049-2296 Sequence 2296, Ap
44	1045	84.5	218	12	US-10-449-566-98 Sequence 98, Appl
45	1045	84.5	236	10	US-09-859-053-30 Sequence 30, Appl

ALIGNMENTS

RESULT 1
US-10-384-933-129
; Sequence 129, Application US/10384933
; Publication No. US20030170817A1
GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Hattayama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Pas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 129
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Pas antibody
US-10-384-933-129

Query Match 100.0%; Score 1237; DB 12; Length 238;
Best local Similarity 100.0%; Pred. No. 1.3e-95;
Matches 238; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 METDTLLWVLLWVPGSTGIVLTQSPSSLSAIVGDRVITTCRASQSVVDYGSYMMWY 60
Db 1 METDTLLWVLLWVPGSTGIVLTQSPSSLSAIVGDRVITTCRASQSVVDYGSYMMWY 60
Cy 61 QOKGQAPKLLIYASNIIESGVPSRFSGSGGTFTLTISLQPEDFATYYCOOSNEDPR 120
|||||
|||||

Db 61 QOKGQAPKLLIYAASNLSEGVPSRFGSGSGTDFTLTISLQPEDPATYTCQOQSNEDPR 120
QY 121 TFGGCTKVEIKRTVAAPSVFIFFPSDEQLKSGTASVCLNNFYPREAKVQMKVDNALQS 180
Db 121 TFGGCTKVEIKRTVAAPSVFIFFPSDEQLKSGTASVCLNNFYPREAKVQMKVDNALQS 180
QY 181 GNSQESVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
Db 181 GNSQESVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

RESULT 2
US-10-216-484-129
Sequence 129, Application US/10216484
Publication No. US20030103976A1

GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 129
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-129

Query Match 100.0%; Score 1237; DB 15; Length 238;
Best Local Similarity 100.0%; Pred. No. 1.3e-85;
Matches 238; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 METDTILLMWLLWVPGSTGDIVLTQSPSSLSASVGRVITTCASQSVVDYDGSYNNMWY 60
Db 1 METDTILLMWLLWVPGSTGDIVLTQSPSSLSASVGRVITTCASQSVVDYDGSYNNMWY 60
QY 61 QOKGQAPKLLIYAASNLSEGVPSRFGSGSGTDFTLTISLQPEDPATYTCQOQSNEDPR 120
Db 61 QOKGQAPKLLIYAASNLSEGVPSRFGSGSGTDFTLTISLQPEDPATYTCQOQSNEDPR 120
QY 121 TFGGCTKVEIKRTVAAPSVFIFFPSDEQLKSGTASVCLNNFYPREAKVQMKVDNALQS 180
Db 121 TFGGCTKVEIKRTVAAPSVFIFFPSDEQLKSGTASVCLNNFYPREAKVQMKVDNALQS 180
QY 181 GNSQESVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
Db 181 GNSQESVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

RESULT 3
US-10-384-933-127
Sequence 127, Application US/10384933
Publication No. US200301070817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US200301070817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933

CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US 09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 127
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-127

Query Match 99.7%; Score 1233; DB 12; Length 238;
Best Local Similarity 99.6%; Pred. No. 2.7e-85;
Matches 237; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 METDTILLMWLLWVPGSTGDIVLTQSPSSLSASVGRVITTCASQSVVDYDGSYNNMWY 60
Db 1 METDTILLMWLLWVPGSTGDIVLTQSPSSLSASVGRVITTCASQSVVDYDGSYNNMWY 60
QY 61 QOKGQAPKLLIYAASNLSEGVPSRFGSGSGTDFTLTISLQPEDPATYTCQOQSNEDPR 120
Db 61 QOKGQAPKLLIYAASNLSEGVPSRFGSGSGTDFTLTISLQPEDPATYTCQOQSNEDPR 120
QY 121 TFGGCTKVEIKRTVAAPSVFIFFPSDEQLKSGTASVCLNNFYPREAKVQMKVDNALQS 180
Db 121 TFGGCTKVEIKRTVAAPSVFIFFPSDEQLKSGTASVCLNNFYPREAKVQMKVDNALQS 180
QY 181 GNSQESVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
Db 181 GNSQESVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

RESULT 4
US-10-216-484-127
Sequence 127, Application US/10216484
Publication No. US20030103976A1

GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 127
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-127

Query Match 99.7%; Score 1233; DB 15; Length 238;
Best Local Similarity 99.6%; Pred. No. 2.7e-85;
Matches 237; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 METDTILLMWLLWVPGSTGDIVLTQSPSSLSASVGRVITTCASQSVVDYDGSYNNMWY 60
Db 1 METDTILLMWLLWVPGSTGDIVLTQSPSSLSASVGRVITTCASQSVVDYDGSYNNMWY 60
QY 61 QOKGQAPKLLIYAASNLSEGVPSRFGSGSGTDFTLTISLQPEDPATYTCQOQSNEDPR 120

```

Db      61  QOKKGAPKLLIYAASNLSEGVPSFGSGSGTDFTLTISLQEDFATYYCOQSNEDPR 120
Qy      121  TFGGKTVEIKRTVAAPSVFIFPPSDRQLKSGTASVCLLNNFYPREAKVOMKYDNLQ 180
Db      121  TFGGKTVEIKRTVAAPSVFIFPPSDRQLKSGTASVCLLNNFYPREAKVOMKYDNLQ 180
Qy      181  GNSQSVTEBDSKDYSLSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
Db      181  GNSQSVTEBDSKDYSLSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

```

RESULT 5

```

US-10-384-933-131
; Sequence 131, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 131
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-131

```

```

Query Match      99.6%; Score 1232; DB 12; Length 238;
Best Local Similarity 99.2%; Pred. No. 3.2e-85;
Matches 236; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      1  METDTILLWVLLWVPGSTGDIIVLTQSPSSLSASVGRVTITCKASQGVVDYDGSYNNWY 60
Db      1  METDTILLWVLLWVPGSTGDIIVLTQSPSSLSASVGRVTITCKASQGVVDYDGSYNNWY 60
Qy      61  QOKKGAPKLLIYAASNLSEGVPSFGSGSGTDFTLTISLQEDFATYYCOQSNEDPR 120
Db      61  QOKKGAPKLLIYAASNLSEGVPSFGSGSGTDFTLTISLQEDFATYYCOQSNEDPR 120
Qy      121  TFGGKTVEIKRTVAAPSVFIFPPSDRQLKSGTASVCLLNNFYPREAKVOMKYDNLQ 180
Db      121  TFGGKTVEIKRTVAAPSVFIFPPSDRQLKSGTASVCLLNNFYPREAKVOMKYDNLQ 180
Qy      181  GNSQSVTEBDSKDYSLSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
Db      181  GNSQSVTEBDSKDYSLSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

```

RESULT 6

```

US-10-216-484-131
; Sequence 131, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG

```

```

; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 131
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-131

```

```

Query Match      99.6%; Score 1232; DB 15; Length 238;
Best Local Similarity 99.2%; Pred. No. 3.2e-85;
Matches 236; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      1  METDTILLWVLLWVPGSTGDIIVLTQSPSSLSASVGRVTITCKASQGVVDYDGSYNNWY 60
Db      1  METDTILLWVLLWVPGSTGDIIVLTQSPSSLSASVGRVTITCKASQGVVDYDGSYNNWY 60
Qy      61  QOKKGAPKLLIYAASNLSEGVPSFGSGSGTDFTLTISLQEDFATYYCOQSNEDPR 120
Db      61  QOKKGAPKLLIYAASNLSEGVPSFGSGSGTDFTLTISLQEDFATYYCOQSNEDPR 120
Qy      121  TFGGKTVEIKRTVAAPSVFIFPPSDRQLKSGTASVCLLNNFYPREAKVOMKYDNLQ 180
Db      121  TFGGKTVEIKRTVAAPSVFIFPPSDRQLKSGTASVCLLNNFYPREAKVOMKYDNLQ 180
Qy      181  GNSQSVTEBDSKDYSLSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
Db      181  GNSQSVTEBDSKDYSLSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

```

RESULT 7

```

US-10-384-933-107
; Sequence 107, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 107
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-107

```

```

Query Match      95.1%; Score 1177; DB 12; Length 238;
Best Local Similarity 93.3%; Pred. No. 4.4e-81;
Matches 222; Conservative 9; Mismatches 7; Indels 0; Gaps 0;

```

```

Qy      1  METDTILLWVLLWVPGSTGDIIVLTQSPSSLSASVGRVTITCKASQGVVDYDGSYNNWY 60
Db      1  METDTILLWVLLWVPGSTGDIIVLTQSPSSLSASVGRVTITCKASQGVVDYDGSYNNWY 60

```

Qy 61 QOKFGQAPKLLIYAASNLSEGVSPRFSGSGSGTDTFTLTISLOPEDFATYYCOQSNEDPR 120
Db 61 QOKFGQAPRLIIYAASNLSEGIPIRFSGSGSGTDTFTLTISRLEPDPFAVYYCOQSNEDPR 120
Qy 121 TFGGKTKEIKRTVAAPSVFIIPPEDQLKSGTASVCLNNFYREAKVQMKVDNALQS 180
Db 121 TFGGKTKEIKRTVAAPSVFIIPPEDQLKSGTASVCLNNFYREAKVQMKVDNALQS 180
Qy 181 GNSQSVTEQDSKSTYSLSSTLTLSKADYEKHKYVACEVTHQGLSPVTKSFPNRGEC 238
Db 181 GNSQSVTEQDSKSTYSLSSTLTLSKADYEKHKYVACEVTHQGLSPVTKSFPNRGEC 238

RESULT 8
US-10-216-484-107

Sequence 107, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuo
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 107
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-107

Query Match 95.1%; Score 1177; DB 15; Length 238;
Best Local Similarity 93.3%; Pred. No. 4.4e-81;
Matches 222; Conservative 9; Mismatches 7; Indels 0; Gaps 0;
Qy 1 METDTILLWVLLWVPGSTGDIYVLTQSPSSLSASVGRVTITCKASQSVYDGDSDYNNMWY 60
Db 1 METDTILLWVLLWVPGSTGDIYVLTQSPSSLSASVGRVTITCKASQSVYDGDSDYNNMWY 60
Qy 61 QOKFGQAPKLLIYAASNLSEGVSPRFSGSGSGTDTFTLTISLOPEDFATYYCOQSNEDPR 120
Db 61 QOKFGQAPRLIIYAASNLSEGIPIRFSGSGSGTDTFTLTISRLEPDPFAVYYCOQSNEDPR 120
Qy 121 TFGGKTKEIKRTVAAPSVFIIPPEDQLKSGTASVCLNNFYREAKVQMKVDNALQS 180
Db 121 TFGGKTKEIKRTVAAPSVFIIPPEDQLKSGTASVCLNNFYREAKVQMKVDNALQS 180
Qy 181 GNSQSVTEQDSKSTYSLSSTLTLSKADYEKHKYVACEVTHQGLSPVTKSFPNRGEC 238
Db 181 GNSQSVTEQDSKSTYSLSSTLTLSKADYEKHKYVACEVTHQGLSPVTKSFPNRGEC 238

RESULT 9
US-10-384-933-50

Sequence 50, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuo
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies

FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 50
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-50

Query Match 94.7%; Score 1172; DB 12; Length 238;
Best Local Similarity 92.9%; Pred. No. 1e-80; Indels 8; Gaps 0;
Matches 221; Conservative 9; Mismatches 8;
Qy 1 METDTILLWVLLWVPGSTGDIYVLTQSPSSLSASVGRVTITCKASQSVYDGDSDYNNMWY 60
Db 1 METDTILLWVLLWVPGSTGDIYVLTQSPSSLSASVGRVTITCKASQSVYDGDSDYNNMWY 60
Qy 61 QOKFGQAPKLLIYAASNLSEGVSPRFSGSGSGTDTFTLTISLOPEDFATYYCOQSNEDPR 120
Db 61 QOKFGQAPRLIIYAASNLSEGIPIRFSGSGSGTDTFTLTISRLEPDPFAVYYCOQSNEDPR 120
Qy 121 TFGGKTKEIKRTVAAPSVFIIPPEDQLKSGTASVCLNNFYREAKVQMKVDNALQS 180
Db 121 TFGGKTKEIKRTVAAPSVFIIPPEDQLKSGTASVCLNNFYREAKVQMKVDNALQS 180
Qy 181 GNSQSVTEQDSKSTYSLSSTLTLSKADYEKHKYVACEVTHQGLSPVTKSFPNRGEC 238
Db 181 GNSQSVTEQDSKSTYSLSSTLTLSKADYEKHKYVACEVTHQGLSPVTKSFPNRGEC 238

RESULT 10
US-10-216-484-50

Sequence 50, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuo
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 50
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-50

Query Match 94.7%; Score 1172; DB 15; Length 238;
Best Local Similarity 92.9%; Pred. No. 1e-80; Indels 8; Gaps 0;
Matches 221; Conservative 9; Mismatches 8;
Qy 1 METDTILLWVLLWVPGSTGDIYVLTQSPSSLSASVGRVTITCKASQSVYDGDSDYNNMWY 60
Db 1 METDTILLWVLLWVPGSTGDIYVLTQSPSSLSASVGRVTITCKASQSVYDGDSDYNNMWY 60

QY	61	QOKPEQAPGLLLIYAASNLNESGVPSRRSGSGSGGDFLTLLSLQBPDPATYVCOQSNEDPR	120
Db	61	QOKPEQAPGLLLIYAASNLNESG1PDRNSGSGSGGDFLTLLSLRLEPAUPAVYVCOQSNEDPR	120
QY	121	TFGGQGTKEIKRTVAAPSVFIFPPSDSEQSLKSGTASVYCLLNFFYPPEAKQVMYDALQS	180
Db	121	TFGGQGTKEIKRTVAAPSVFIFPPSDSEQLKSGTASVYCLLNFFYPPEAKQVMYDALQS	180
QY	181	GNQSESVTEODSKOSTYLSLSTLLTSKADYERKKHVVACEVTHQGLSSPYTKSENRGEC	238
Db	181	GNQSESVTEODSKOSTYLSLSTLLTSKADYERKKHVVACEVTHQGLSSPYTKSENRGEC	238

RESULT 11
US-10-384-933-52
; Sequence 52, Application US/10384933

```

APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hidenyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takanaishi, Toru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 52
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
US-10-384-933-52
chain of humanized anti-Fas antibody

```

	Query Match	93.7%;	Score 1159;	DB 12;	length 238;
	Best Local Similarity	92.0%;	Prod. No. 9-9e-80;		
	Matches 219;	Conservative 10;	Mismatches 9;	Indels 0;	Gaps 0
QY	1	MEITDITLLMVL	LLMVLPGSTGDI	VLITQSPSSLSASVGRVITTC	CKASQSVYDGDSSYNNY 60
Db	1	MEITDITLLMVL	LLMVLPGSTGDI	VLITQSGTSLISGERATLISCKASQSVYDGDSSYNNY 60	
QY	61	QOKGQAPKLLI	YAASNLESGVPS	PSGSGSGTDPTL	ITLSLQEPDFAVYQQGSNEDPR 120
Db	61	QOKGQAPRLII	YAASNLESGIPDPS	SGSGSTDTLTI	THAPEEDDAATYYCQGSNEDPR 120
QY	121	TFGGGTKEVIR	TAAPSVFI	IFPPSDEQLK	SGTASVCLNNFYPREAKVQWKVDNALQS 180
Db	121	TFGGGTREIRI	KRTYAAPSVFI	IFPPEDDEQLK	SGTASVCLNNFYPREAKVQWKVDNALQS 180
QY	181	GNSGQSVTEQ	QSKQSTYSL	STSLTSLSKADY	EHNKTYACGVTHQGLSPVYTSFNNGEC 238
Db	181	GNSGQSVTEQ	QSKQSTYSL	STSLTSLSKADY	EHNKTYACGVTHQGLSPVYTSFNNGEC 238

```

RESULT 12
US-10-216-484-52
; Sequence 52, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusea
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Nakahi, Ikuko
; APPLICANT: Takahashi, Tōhru

```

```

: TITLE OF INVENTION: Anti-Fas Antibodies
: FILE REFERENCE: 980126CIP/HG
: CURRENT APPLICATION NUMBER: US/10/216,484
: CURRENT FILING DATE: 2002-08-09
: PRIOR APPLICATION NUMBER: US/09/499,662
: PRIOR FILING DATE: 2000-02-09
: PRIOR APPLICATION NUMBER: US 09/053,563
: PRIOR FILING DATE: 1998-04-01
: NUMBER OF SEQ ID NOS: 165
: SEQ ID NO 52
: LENGTH: 238
: TYPE: PRT
: ORGNISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: Description of Artificial Sequence: Designed light
: OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-52

Query Match          93.7%; Score 1159; DB 15; Length 238;
Match Local Similarity 92.0%; Pred. No. 9.9e-80;
Matches 215; Conservative 10; Mismatches 9; Indels 0; Gaps 0.

```

```

; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Pas antibody
US-10-216-484-52

```

```

QY MEDDTLLWVLLWLLWPGSGTDLVLTQSPSSSLASVAGRVTITCKAQSQSVYDGSIYNNWY 60
Db MEDDTLLWVLLWLLWPGSGTDLVLTQSPSSSLASVAGRVTITCKAQSQSVYDGSIYNNWY 60
QY 1 MEDDTLLWVLLWLLWPGSGTDLVLTQSPSSSLASVAGRVTITCKAQSQSVYDGSIYNNWY 60
Db 1 MEDDTLLWVLLWLLWPGSGTDLVLTQSPSSSLASVAGRVTITCKAQSQSVYDGSIYNNWY 60
QY 61 QQRKGAPKLLIYAASNLESQVPSRFSQSGSGTPTLLTSSLOPEDPATYYCOQSNEDPR 120
Db 61 QQRKGAPKLLIYAASNLESQVPSRFSQSGSGTPTLLTSSLOPEDPATYYCOQSNEDPR 120
QY 61 QQRKGAPKLLIYAASNLESQVPSRFSQSGSGTPTLLTSSLOPEDPATYYCOQSNEDPR 120
Db 61 QQRKGAPKLLIYAASNLESQVPSRFSQSGSGTPTLLTSSLOPEDPATYYCOQSNEDPR 120
QY 121 TFGQGTKEIKRTVAAPSVFIFPPSDEQLKSGTASVVCCLNNFYPRAKQOMKVDNALQS 180
Db 121 TFGQGTKEIKRTVAAPSVFIFPPSDEQLKSGTASVVCCLNNFYPRAKQOMKVDNALQS 180
QY 121 TFGQGTKEIKRTVAAPSVFIFPPSDEQLKSGTASVVCCLNNFYPRAKQOMKVDNALQS 180
Db 121 TFGQGTKEIKRTVAAPSVFIFPPSDEQLKSGTASVVCCLNNFYPRAKQOMKVDNALQS 180
QY 181 GNSQSEVTEQDSKDSYSLSTLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 238
Db 181 GNSQSEVTEQDSKDSYSLSTLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 238
QY 181 GNSQSEVTEQDSKDSYSLSTLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 238
Db 181 GNSQSEVTEQDSKDSYSLSTLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 238

```

```

RESULT 13
US-10-384-933-109
Sequence 109, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haryama, Hideoyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 109
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-109

```

```

Query Match      93.6%  Score 1158;  DB 12;  Length 238;
Best Local Similarity  92.0%  Pred. No. 1.2e-79;
Matches 219;  Conservative 10;  Mismatches 9;  Indels 0;  Gaps 0;

OY      1 MENTDTILLMWLLMVRGSGTDIVLTQSPSSLSASVGRVITTCCKASQSVVDYDGSNNYMY 60
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

```

```

Db      1 METDTILLMVLWVPGSTGDIIVLTQSPSSISASVGDRTITCKASQSDVDYDGSYNNWY 60
Qy      61 OOKPGQAPKLLIYAASNLSEGVSPRFSGSGGTDFTLTISLQPEDFATYCCQSNEDPR 120
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      61 OOKPGQAPRLLIYAASNLSEGIPIRFSGSGGTDFTLTIIHVEEDATYCCQSNEDPR 120
Qy      121 TFGGCTKVEIKRTVAAPSVFIIPPSPDEQLKSGTASVCLNNFYPREAKVQMKVDNALQS 180
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      121 TFGGCTKLEIKRTVAAPSVFIIPPSPDEQLKSGTASVCLNNFYPREAKVQMKVDNALQS 180
Qy      181 GNSQESVTEODSKDSTYSLSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      181 GNSQESVTEODSKDSTYSLSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238

```

RESULT 14

```

US-10-216-484-109
; Sequence 109, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuo
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 109
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-109

```

```

Query Match      93.6%; Score 1158; DB 15; Length 238;
Best Local Similarity 92.0%; Pred. No. 1.2e-79;
Matches 219; Conservative 10; Mismatches 9; Indels 0; Gaps 0;

```

```

Qy      1 METDTILLMVLWVPGSTGDIIVLTQSPSSISASVGDRTITCKASQSDVDYDGSYNNWY 60
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      1 METDTILLMVLWVPGSTGDIIVLTQSPSSISASVGDRTITCKASQSDVDYDGSYNNWY 60
Qy      61 OOKPGQAPKLLIYAASNLSEGVSPRFSGSGGTDFTLTISLQPEDFATYCCQSNEDPR 120
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      61 OOKPGQAPRLLIYAASNLSEGIPIRFSGSGGTDFTLTIIHVEEDATYCCQSNEDPR 120
Qy      121 TFGGCTKVEIKRTVAAPSVFIIPPSPDEQLKSGTASVCLNNFYPREAKVQMKVDNALQS 180
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      121 TFGGCTKLEIKRTVAAPSVFIIPPSPDEQLKSGTASVCLNNFYPREAKVQMKVDNALQS 180
Qy      181 GNSQESVTEODSKDSTYSLSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      181 GNSQESVTEODSKDSTYSLSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238

```

RESULT 15

```

US-10-384-933-54
; Sequence 54, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuo

```

```

; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 54
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-54

```

```

Query Match      93.5%; Score 1157; DB 12; Length 238;
Best Local Similarity 92.0%; Pred. No. 1.4e-79;
Matches 219; Conservative 9; Mismatches 10; Indels 0; Gaps 0;

```

```

Qy      1 METDTILLMVLWVPGSTGDIIVLTQSPSSISASVGDRTITCKASQSDVDYDGSYNNWY 60
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      1 METDTILLMVLWVPGSTGDIIVLTQSPSSISASVGDRTITCKASQSDVDYDGSYNNWY 60
Qy      61 OOKPGQAPKLLIYAASNLSEGVSPRFSGSGGTDFTLTISLQPEDFATYCCQSNEDPR 120
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      61 OOKPGQAPRLLIYAASNLSEGIPIRFSGSGGTDFTLTIIHVEEDATYCCQSNEDPR 120
Qy      121 TFGGCTKVEIKRTVAAPSVFIIPPSPDEQLKSGTASVCLNNFYPREAKVQMKVDNALQS 180
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      121 TFGGCTKLEIKRTVAAPSVFIIPPSPDEQLKSGTASVCLNNFYPREAKVQMKVDNALQS 180
Qy      181 GNSQESVTEODSKDSTYSLSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      181 GNSQESVTEODSKDSTYSLSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238

```

```

Search completed: February 20, 2004, 14:25:36
Job time : 19.0466 secs

```


GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: February 20, 2004, 13:23:52 ; Search time 7.89311 Seconds
(without alignments)
1275.794 Million cell updates/sec

Title: US-09-499-662-131

Perfect score: 1237
Sequence: 1 MENDTILWLVLLWVPGSTG.....EVTHQGLSPVTKSFNKGEC 238

Scoring table: BIOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/ptodata/1/1aa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/1aa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/1aa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/1aa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/1aa/PTUTS_COMB.pep:*
6: /cgn2_6/ptodata/1/1aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1113	90.0	218	5	PCT-US96-13152-2
2	1099	88.8	218	2	US-08-887-352B-13
3	1099	88.8	218	3	US-08-466-151-9
4	1099	88.8	218	3	US-09-109-207C-13
5	1099	88.8	218	3	US-09-296-005-13
6	1099	88.8	218	4	US-08-466-163B-9
7	1076	87.0	218	3	US-09-282-505-1
8	1076	87.0	218	3	US-09-054-255-1
9	1076	87.0	218	4	US-09-282-846-1
10	1076	87.0	218	4	US-09-680-145-1
11	1073	86.7	218	2	US-08-887-352B-15
12	1073	86.7	218	2	US-08-887-352B-17
13	1073	86.7	218	2	US-08-887-352B-19
14	1073	86.7	218	2	US-08-887-352B-24
15	1073	86.7	218	3	US-09-109-207C-15
16	1073	86.7	218	3	US-09-109-207C-17
17	1073	86.7	218	3	US-09-109-207C-19
18	1073	86.7	218	3	US-09-109-207C-24
19	1073	86.7	218	3	US-09-296-005-15
20	1073	86.7	218	3	US-09-296-005-17
21	1073	86.7	218	3	US-09-296-005-19
22	1073	86.7	218	3	US-09-296-005-24
23	1043	84.3	240	4	US-09-301-593-36
24	1039	84.0	234	4	US-09-740-002-24
25	1021.5	82.6	233	2	US-07-934-373C-25
26	1021.5	82.6	233	3	US-08-437-642B-25
27	1021.5	82.6	233	4	US-08-146-206C-25

28	1021.5	82.6	233	5	PCT-US93-07832-25	Sequence 25, Appl
29	1018	82.3	214	2	US-07-934-373C-39	Sequence 39, Appl
30	1018	82.3	214	2	US-08-437-642B-39	Sequence 39, Appl
31	1018	82.3	214	5	PCT-US93-07832-39	Sequence 39, Appl
32	1013	81.9	214	2	US-07-934-373C-40	Sequence 40, Appl
33	1013	81.9	214	2	US-08-788-800-11	Sequence 11, Appl
34	1013	81.9	214	3	US-08-437-642B-40	Sequence 40, Appl
35	1013	81.9	214	3	US-09-097-309-2	Sequence 2, Appl
36	1013	81.9	214	3	US-09-097-171A-2	Sequence 2, Appl
37	1013	81.9	214	4	US-09-460-587-2	Sequence 2, Appl
38	1013	81.9	214	5	PCT-US93-07832-40	Sequence 40, Appl
39	1013	81.9	237	3	US-09-097-309-6	Sequence 6, Appl
40	1013	81.9	237	3	US-09-097-171A-10	Sequence 10, Appl
41	1013	81.9	237	3	US-09-422-712B-2	Sequence 2, Appl
42	1013	81.9	237	3	US-09-607-756-2	Sequence 2, Appl
43	1013	81.9	237	4	US-09-460-587-6	Sequence 6, Appl
44	1009.5	81.6	242	2	US-09-027-449-62	Sequence 62, Appl
45	1009.5	81.6	242	3	US-09-026-985-62	Sequence 62, Appl

ALIGNMENTS

RESULT 1
PCT-US96-13152-2
Sequence 2, Application PC/TUS9613152
GENERAL INFORMATION:
APPLICANT: Martin, Ulrich, et al.
TITLE OF INVENTION: Anti-selectin antibodies for prevention of multiple organ fai
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Felfe & Lynch
ADDRESSEE: Attn: Norman D. Hanson
STREET: 805 Third Avenue
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Computer Disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/13152
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/578,953
FILING DATE: 27-Dec-95
APPLICATION NUMBER: EP 95 112 895.8
FILING DATE: 17-Aug-95
APPLICATION NUMBER: EP 95 114 969.9
FILING DATE: 19-Sep-95
ATTORNEY/AGENT INFORMATION:
NAME: Norman D. Hanson
REGISTRATION NUMBER: 30,946
REFERENCE/DOCKET NUMBER: BOER 1059-PCT-PPF/NDH
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 688-9200
TELEFAX: (212) 838-3884
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 218
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US96-13152-2
Query Match 90.0%; Score 1113; DB 5; Length 218;
Best Local Similarity 98.6%; Pred. No. 2e-87;
Matches 215; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY	21	DIVLTGSPSSLASVGEVRVITTCASQSVYDDESTANNVQOKFGAPKLLIYAASNLES	80
Dp	1	DIQWTSPPSSLASVGDRAVITTCASQSVYDDESTANNVQOKFGAPKLLIYAASNLES	60
QY	81	GIPBRFSGSGSGTDFLTLLISLQPEDPATYVCOQSNDEPRTFGQGTKEIKETVAAAPSVF	140
Dp	61	GIPBRFSGSGSGTDFLTLLISLQPEDPATYVCOQSNDEPRTFGQGTKEIKETVAAAPSVF	120
QY	141	IFPPSDQLKSGTAAVCLANNFPPRAKQVMYDALQSGNSQESVTEQDSKDSITYSLIS	200
Dp	121	IFPPSDQLKSGTAAVCLANNFPPRAKQVMYDALQSGNSQESVTEQDSKDSITYSLIS	180
QY	201	STLLSKADYEKKHVAACEVTHQGLSPVYKSFNRGEC	238
Dp	181	STLLSKADYEKKHVAACEVTHQGLSPVYKSFNRGEC	218

RESULT 2
 US-08-887-352B-13
 Sequence 13, Application US/08887352B
 Patent No. 5994511
 GENERAL INFORMATION:
 APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
 TITLE OF INVENTION: Improved Anti-19S Antibodies and Method of
 TITLE OF INVENTION: Improving Polypeptides
 NUMBER OF SEQUENCES: 26
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 1 DNA Way
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: WinPatIn (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/887,352B
 FILING DATE: 03-Jul-1997
 CLASSIFICATION: 530
 ATTORNEY/AGENT INFORMATION:
 NAME: Svoboda, Craig G.
 REGISTRATION NUMBER: 39,044
 REFERENCE/DOCKET NUMBER: P1123
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650/225-1489
 TELEFAX: 650/952-9881
 INFORMATION FOR SEQ ID NO: 13:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 218 amino acids
 TYPE: Amino Acid
 TOPOLOGY: Linear
 JS-08-887-352B-13

Query Match	88.8%	Score 1099,	DB 2,	Length 218;
Best Local Similarity	97.2%	Pred. No. 3.1e-86;		
Matches 212; Conservative	3;	Mismatches 3;	Indels 0;	Gaps 0;

Qy	21	DILYTSQPSLSASVGDRTYITCTCKASQSDYDYGDSYMMYQOKPEKAPKLIIYAASNLIS	80
Db	1	DIQLTQSPSLSASVGDRTYITCTCKAQSDYDYGDSYMMYQOKPEKAPKLIIYAASYLEIS	60
Qy	81	GISRSGSGSGSGCDFLLTISLQPEHPFATYYCOQSNEDPRFFGQSTKYIKRGTAAASVF	140
Db	61	GVSRRSGSGSGSGCDFLLTISLQPEDPFATYYCOQSHEDPYTFGQSTKYIKGTAAASVF	120
Qy	141	IFPPSDQOLKSGTASVYCLLNNFYPEAKAYOKRVNALQSGNSQESVTEQDSKOSTYSLS	200
Db	121	IFPPSDQOLKSGTASVYCLLNNFYPEEAKAYOKRVNALQSGNSQESVTEQDSKOSTYSLS	180

[illegible]

```

1      RESULT 3
2      US-08-466-151-9
3      : Sequence 9, Application US/08466151
4      : Patent No. 6037453
5      :
6      : GENERAL INFORMATION:
7      :
8      : APPLICANT: Jardieu, Paula M.
9      : APPLICANT: Presta, Leonard G.
10     : TITLE OF INVENTION: Immunoglobulin Variants
11     : NUMBER OF SEQUENCES: 65
12     : CORRESPONDENCE ADDRESS:
13     : ADDRESSEE: Genentech, Inc.
14     : STREET: 1 DNA Way
15     : CITY: South San Francisco
16     : STATE: California
17     : COUNTRY: USA
18     : ZIP: 94080
19     :
20     : COMPUTER READABLE FORM:
21     : MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
22     : COMPUTER: IBM PC compatible
23     : OPERATING SYSTEM: PC-DOS/MS-DOS
24     : SOFTWARE: Winpatin (Genentech)
25     : CURRENT APPLICATION DATA:
26     : APPLICATION NUMBER: US/08/466,151
27     : FILING DATE:
28     : CLASSIFICATION:
29     :
30     : PRIOR APPLICATION DATA:
31     : APPLICATION NUMBER: 08/466163
32     : FILING DATE: 06-Jun-1995
33     : APPLICATION NUMBER: 08/405617
34     : FILING DATE: 15-MAR-1995
35     : PRIOR APPLICATION DATA:
36     : APPLICATION NUMBER: 08/185899
37     : FILING DATE: 26-JAN-1994
38     : PRIOR APPLICATION DATA:
39     : APPLICATION NUMBER: 07/879495
40     : FILING DATE: 07-MAY-1992
41     : PRIOR APPLICATION DATA:
42     : APPLICATION NUMBER: 07/744768
43     : FILING DATE: 14-AUG-1991
44     : ATTORNEY/AGENT INFORMATION:
45     : NAME: Svoboda, Craig G.
46     : REGISTRATION NUMBER: 39, 044
47     : REFERENCE/POCKET NUMBER: P071BP2CID1
48     : TELECOMMUNICATION INFORMATION:
49     : TELEPHONE: 650/225-1489
50     : TELEFAX: 650/952-9881
51     : INFORMATION FOR SEQ ID NO: 9:
52     : SEQUENCE CHARACTERISTICS:
53     : LENGTH: 218 amino acids
54     : TYPE: Amino Acid
55     : TOPOLOGY: Linear
56     :
57     : US-08-466-151-9

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Query Match	88.8%	Score 1099;	DB 3;	Length 218;
Best Local Similarity	97.2%	Pred. No. 3.1e-86;		
Matches 212; Conservative	3;	Mismatches 3;	Indels 0;	Gaps 0;

Qy	21	DYLTQSPSSLSASVGDRTITCRKASGVDDGSSYMMWVQQRKGKPKLLIYAASLTLS	80
Db	1	DIGLTQSPSSLSASVGDRTITCRKASGVDDGSSYMMWVQQRKGKPKLLIYAASLTLS	60
Qy	81	GISRSSSGSGSTDPFLTISLQEPDPAITYYCOOSNEDPRTFGCTVEIKRTVAAPSV	140
Db	61	GVSRSSSGSGSTDPFLTISLQEPDPAITYYCOOSHEDPTTFGCTVEIKRTVAAPSV	120
Qy	141	IFPSSDQKSGSTASVCLINNFYREAKVQWKVDNALQSGNSQESTVEDSDSDSTYSLS	200
Db	121	IFPSSDQKSGSTASVCLINNFYREAKVQWKVDNALQSGNSQESTVEDSDSDSTYSLS	180

QY 201 STLTLSKADYEKKHYVACEVTHOGLSSPYTKSFNRGEC 238
DB 181 STLTLSKADYEKKHYVACEVTHOGLSSPYTKSFNRGEC 218

RESULT 4

US-09-109-207C-13
Sequence 13, Application US/09109207C
Patent No. 6172213
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
TITLE OF INVENTION: Improved Anti-19E Antibodies and Method of Improving Polypeptide
FILE REFERENCE: P1123R1
CURRENT APPLICATION NUMBER: US/09/109,207C
PRIOR FILING DATE: 1998-06-30
PRIOR APPLICATION NUMBER: US 60/051,554
PRIOR FILING DATE: 1997-07-03
NUMBER OF SEQ ID NOS: 44
SEQ ID NO 13
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial
FEATURE:
NAME/KEY: Artificial
LOCATION: 1-218
OTHER INFORMATION: Light chain sequence derived from MAE11
US-09-109-207C-13

Query Match 88.8%; Score 1099; DB 3; Length 218;
Best Local Similarity 97.2%; Pred. No. 3,1e-86;
Matches 212; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 21 DIVLTQSPSSLSASVGRVITTCASQSVYDGDSTNNWYQOKRGKAPKLLIYAASNLES 80
DB 1 DIQLTQSPSSLSASVGRVITTCASQSVYDGDSTNNWYQOKRGKAPKLLIYAASNLES 60
QY 81 GIPSRFSGSGSGDTFTLTISLQPEDPATYTCQOSHEDPYTFGGGTVEIKRTVAAPSVF 140
DB 61 GVPSRFSGSGSGDTFTLTISLQPEDPATYTCQOSHEDPYTFGGGTVEIKRTVAAPSVF 120
QY 141 IFPPSDDEQLKSGTASVVCCLNNFYPREAKVQWKVDNALQSNLSQESVTEQDSKDSYSTLS 200
DB 121 IFPPSDDEQLKSGTASVVCCLNNFYPREAKVQWKVDNALQSNLSQESVTEQDSKDSYSTLS 180
QY 201 STLTLSKADYEKKHYVACEVTHOGLSSPYTKSFNRGEC 238
DB 181 STLTLSKADYEKKHYVACEVTHOGLSSPYTKSFNRGEC 218

RESULT 5

US-09-236-005-13
Sequence 13, Application US/09296005
Patent No. 6290957
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
TITLE OF INVENTION: Improved Anti-19E Antibodies and Method of Improving Polypeptides
FILE REFERENCE: P1123C1R
CURRENT APPLICATION NUMBER: US/09/296,005
PRIOR FILING DATE: 1999-04-21
EARLIER APPLICATION NUMBER: US 08/887,352
PRIOR FILING DATE: 1997-07-02
NUMBER OF SEQ ID NOS: 26
SEQ ID NO 13
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial
FEATURE:
NAME/KEY: Artificial
LOCATION: 1-218
OTHER INFORMATION: Light chain sequence derived from MAE11
US-09-236-005-13

Query Match 88.8%; Score 1099; DB 3; Length 218;
Best Local Similarity 97.2%; Pred. No. 3,1e-86;
Matches 212; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 21 DIVLTQSPSSLSASVGRVITTCASQSVYDGDSTNNWYQOKRGKAPKLLIYAASNLES 80
DB 1 DIQLTQSPSSLSASVGRVITTCASQSVYDGDSTNNWYQOKRGKAPKLLIYAASNLES 60
QY 81 GIPSRFSGSGSGDTFTLTISLQPEDPATYTCQOSHEDPYTFGGGTVEIKRTVAAPSVF 140
DB 61 GVPSRFSGSGSGDTFTLTISLQPEDPATYTCQOSHEDPYTFGGGTVEIKRTVAAPSVF 120
QY 141 IFPPSDDEQLKSGTASVVCCLNNFYPREAKVQWKVDNALQSNLSQESVTEQDSKDSYSTLS 200
DB 121 IFPPSDDEQLKSGTASVVCCLNNFYPREAKVQWKVDNALQSNLSQESVTEQDSKDSYSTLS 180
QY 201 STLTLSKADYEKKHYVACEVTHOGLSSPYTKSFNRGEC 238
DB 181 STLTLSKADYEKKHYVACEVTHOGLSSPYTKSFNRGEC 218

RESULT 6

US-08-466-163B-9
Sequence 9, Application US/08466163B
Patent No. 6329509
GENERAL INFORMATION:
APPLICANT: Jardiou, Paula M.
APPLICANT: Presta, Leonard G.
TITLE OF INVENTION: Immunoglobulin Variants
FILE REFERENCE: P0718P2C1D1
CURRENT APPLICATION NUMBER: US/08/466,163B
PRIOR FILING DATE: 1995-06-06
PRIOR APPLICATION NUMBER: US 08/405,617
PRIOR FILING DATE: 1995-03-15
PRIOR APPLICATION NUMBER: US 08/185,899
PRIOR FILING DATE: 1994-01-26
PRIOR APPLICATION NUMBER: US 07/879,495
PRIOR FILING DATE: 1992-05-07
PRIOR APPLICATION NUMBER: US 07/744,768
PRIOR FILING DATE: 1991-08-14
NUMBER OF SEQ ID NOS: 64
SEQ ID NO 9
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: humanized maell, version 1, light chain
US-08-466-163B-9

Query Match 88.8%; Score 1099; DB 4; Length 218;
Best Local Similarity 97.2%; Pred. No. 3,1e-86;
Matches 212; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 21 DIVLTQSPSSLSASVGRVITTCASQSVYDGDSTNNWYQOKRGKAPKLLIYAASNLES 80
DB 1 DIQLTQSPSSLSASVGRVITTCASQSVYDGDSTNNWYQOKRGKAPKLLIYAASNLES 60
QY 81 GIPSRFSGSGSGDTFTLTISLQPEDPATYTCQOSHEDPYTFGGGTVEIKRTVAAPSVF 140
DB 61 GVPSRFSGSGSGDTFTLTISLQPEDPATYTCQOSHEDPYTFGGGTVEIKRTVAAPSVF 120
QY 141 IFPPSDDEQLKSGTASVVCCLNNFYPREAKVQWKVDNALQSNLSQESVTEQDSKDSYSTLS 200
DB 121 IFPPSDDEQLKSGTASVVCCLNNFYPREAKVQWKVDNALQSNLSQESVTEQDSKDSYSTLS 180
QY 201 STLTLSKADYEKKHYVACEVTHOGLSSPYTKSFNRGEC 238
DB 181 STLTLSKADYEKKHYVACEVTHOGLSSPYTKSFNRGEC 218

RESULT 7

US-09-282-505-1
Sequence 1, Application US/09282505A

```

/ Patent No. 6194551
/ GENERAL INFORMATION:
/ APPLICANT: Esocle Ekinadese Idusogie et al.
/ TITLE OF INVENTION: polypeptide Variants
/ PILE REFERENCE: P1266R1
/ CURRENT APPLICATION NUMBER: US/09/282,505A
/ CURRENT FILING DATE: 1999-03-31
/ NUMBER OF SEQ ID NOS: 2
/ SEQ ID NO 1
/ LENGTH: 218
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ NAME/KEY: Artificial Sequence
/ LOCATION: 1-218
/ OTHER INFORMATION: Sequence is completely synthesized
/ Patent No. 6194551
US-09-282-505-1

```

Query Match	87.0%;	Score 1076;	DB 3;	Length 218;
Best Local Similarity	95.4%;	Pred. No. 2.8e-84;		
Matches 208;	Conservative	5;	Mismatches 5;	Indels 0;
			Gaps	0;

Qy	21	DIVLQSPESLSASVCDRTYITCKASQVDDSDVNNWYQKRGKAPKLLITYAASLIES	80
Db	1	DIQLQSPESLSASVGDRTYITCKRASKPVDGDESDTNNWYQKRGKAPKLLITYAASLIES	60
Qy	81	GIPSRFSGSGSGDPTLLTISLQPEDFATYYCQSNEDPRTFGQGTVEIKRTVAAPSVF	140
Db	61	GVPSRFSGSGSGDFTLTISLQPEDFATYYCQSHEDPYTFGQGTVEIKRTVAAPSVF	120
Qy	141	IFPPDEDEQLKSGTASVYCLINNFYPRKAYQKRVNDAQSGNSQESTTEDDSKDSITYSL	200
Db	121	IFPPDEDEQLKSGTASVYCLINNFYPRKAYQKRVNDAQSGNSQESTVEDDSKDSITYSL	180
Qy	201	STLTSLKADYEKHKYACEVTHQGLSSPYTKSPNRGEC	238
Db	181	STLTSLKADYEKHKYACEVTHQGLSSPYTKSPNRGEC	218

RESULT 8
 US-09-054-255-1
 : Sequence 1, Application US/09054255
 : Patent No. 6242195
 : GENERAL INFORMATION:
 : APPLICANT: Esome Kikindueee Idueoglee et al.
 : TITLE OF INVENTION: Polypeptide Variants
 : FILE REFERENCE: P126
 : CURRENT APPLICATION NUMBER: US/09/054, 255
 : CURRENT FILING DATE: 1998-04-02
 : NUMBER OF SEQ ID NOS: 2
 : SEQ ID NO 1
 : LENGTH: 218
 : TYPE: PRT
 : ORGANISM: Artificial Sequence
 : FEATURE:
 : OTHER INFORMATION: E27 anti-IgB antibody light chain
 : US-09-054-255-1

Query Match	87.0%;	Score 1076;	DB 3;	Length 218;
Best Local Similarity	95.4%;	Pred. No. 2.8e-84;		
Matches 208;	Conservative 5;	Mismatches 5;	Indels 0;	Gaps 0;

QY 21 DIVLQSPSSLSASVGDRTITCKASQSDYDSDSMNNYQQRKGAPKLLIYAASNL 80
Db 1 DIQLQSSSSLSASVGDRTITCRAPKPDGSDSMNNYQQRKGAPKLLIYAASYLE 60
QY 81 GIPSRFSGSGSGTDFTLTITSLQPEDFATYYCQSNEDPRTFCQGRKVEIKRTVAAPSV 140
Db 61 GVPSRFSGSGSDTFTLTITSLQPEDFATYYCQSHEDPRTFCQGRKVEIKRTVAAPSV 120
QY 141 IFPSDEDLKSGTASVCLNNFYPREAKQWKVDAALQSGNSQESVTEDSKDSYSL 200

D _b	121 I P P E D E Q L K S T A S V C L I N F Y R E A V Y G M K D N A L O S G S Q S E S V T P D S H D S I Y S L S 180
G _y	201 S T L T L S K A D Y E K H K Y Y A C E V T H Q G L S P Y T K S F N R G E C 238
D _b	181 S T L T L S K A D Y E K H K Y Y A C E V T H Q G L S P Y T K S F N R G E C 218

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RESULT 9
US-09-282-846-1
; Sequence 1, Application US/09282846
; Patent No. 6528624
; GENERAL INFORMATION:
; APPLICANT: Esoc Ekinadese Idusogie et al.
; TITLE OF INVENTION: Polypeptide Variants
; FILE REFERENCE: P1266R2
; CURRENT APPLICATION NUMBER: US/09/282,846
; CURRENT FILING DATE: 1999-03-31
; NUMBER OF SEQ ID NOS: 2
; SEQ ID NO 1
; LENGTH: 218
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURES:
; NAME/KEY: Artificial Sequence
; LOCATION: 1-218
; OTHER INFORMATION: Sequence is completely synthesized
; Patent No. 6528624
US-09-282-846-1

```

Query Match	87.0%;	Score 1076;	DB 4;	Length 218;
Best Local Similarity	95.4%;	Pred. No. 2.8e-84;		
Matches 208;	Conservative 5;	Mismatches 5;	Indels 0;	Gaps 0;

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QY 21 IIVLTQSSSLASAVGDEVTITCKASQSDVDYGDSDYMMYQOKPGKAPKLLIYYAASNLSS 80
Db 1 DIQLTQSSSLASAVGDRITITCKRASKPFDGEGDSYMMYQOKPGKAPKLLIYYAASLYLSS 60
QY 81 GIPSRFSGSGSGTDPTLTITSLQPDFAFYTYCQSQSNEDPRTPRGQGTKEIKETVAAPSYF 140
Db 61 GVPKSFSGSGSGTDPTLTITSLQPDFAFYTYCQSQSHEDPYTTEGGQTKVEIKETVAAPSYF 120
QY 141 IPPSEDEOLKSGTASVCLINNFYREAKVQMKVNALQSGNSQESVTEQDSKDSITYSLSS 200
Db 121 IPPSEDEOLKSGTASVCLINNFYREAKVQMKVNALQSGNSQESVTEQDSKDSITYSLSS 180
QY 201 STLTSTKADYERKHKKYACEVTHQGISSPVTSSFNNGEC 238
Db 181 STLTSTKADYERKHKKYACEVTHQGISSPVTSSFNNGEC 218

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RESULT 10
US-09-680-145-1
; Sequence 1, Application US/09680145
; Patent No. 6538124
; GENERAL INFORMATION:
; APPLICANT: Esocle Ekinaduese Idusogie et al.
; TITLE OF INVENTION: Polyepoxide Variants
; FILE REFERENCE: P1266R1
; CURRENT APPLICATION NUMBER: US/09/680,145
; CURRENT FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 09/282,505
; PRIOR FILING DATE: 1999-03-13
; NUMBER OF SEQ ID NOS: 2
; SEQ ID NO 1
; LENGTH: 218
; TYPE: DRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: Artificial Sequence
; LOCATION: 1-218
; OTHER INFORMATION: Sequence is completely synthesized
US-09-680-145-1

```

Query Match 87.0%; Score 1076; DB 4; Length 218;
Best Local Similarity 95.4%; Pred. No. 2.8e-84;
Matches 208; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

QY 21 DIVLTGSPSSISASVGRVITTCRASQSVDDYDGSYNNMWYQKPKAPKLLIYAASNLES 80
DB 1 DIQLTGSPSSISASVGRVITTCRASQSVDDYDGSYNNMWYQKPKAPKLLIYAASNLES 60
QY 81 GIPRFGSGSGGDTFTLTSSLOPEDPATYTCQOSNEDPRTFGGKTKEIRTYAAPSVP 140
DB 61 GIPRFGSGSGGDTFTLTSSLOPEDPATYTCQOSNEDPRTFGGKTKEIRTYAAPSVP 120
QY 141 IFPPSDQLKSGTASVCLNNFPREAKVOMKVDNALQSGNSQESVTEODSKDSTYSLS 200
DB 121 IFPPSDQLKSGTASVCLNNFPREAKVOMKVDNALQSGNSQESVTEODSKDSTYSLS 180
QY 201 STLTLSKADYKHKVYACEVTHQGLSSPVTYSFNRGEC 238
DB 181 STLTLSKADYKHKVYACEVTHQGLSSPVTYSFNRGEC 218

RESULT 11

US-08-887-352B-15
; Sequence 15, Application US/08887352B
; Patent No. 5994511
; GENERAL INFORMATION:
; APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
; TITLE OF INVENTION: Improved Anti-198 Antibodies and Method of
; TITLE OF INVENTION: Improving Polypeptides
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Winpatin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,352B
; FILING DATE: 03-Jul-1997
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Svoboda, Craig G.
; REGISTRATION NUMBER: 39,044
; REFERENCE/DOCKET NUMBER: P1123
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-1489
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 218 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
US-08-887-352B-15

Query Match 86.7%; Score 1073; DB 2; Length 218;
Best Local Similarity 95.0%; Pred. No. 5.1e-84;
Matches 207; Conservative 6; Mismatches 5; Indels 0; Gaps 0;

QY 21 DIVLTGSPSSISASVGRVITTCRASQSVDDYDGSYNNMWYQKPKAPKLLIYAASNLES 80
DB 1 DIQLTGSPSSISASVGRVITTCRASQSVDDYDGSYNNMWYQKPKAPKLLIYAASNLES 60
QY 81 GIPRFGSGSGGDTFTLTSSLOPEDPATYTCQOSNEDPRTFGGKTKEIRTYAAPSVP 140
DB 61 GIPRFGSGSGGDTFTLTSSLOPEDPATYTCQOSNEDPRTFGGKTKEIRTYAAPSVP 120

QY 141 IFPPSDQLKSGTASVCLNNFPREAKVOMKVDNALQSGNSQESVTEODSKDSTYSLS 200
DB 121 IFPPSDQLKSGTASVCLNNFPREAKVOMKVDNALQSGNSQESVTEODSKDSTYSLS 180

QY 201 STLTLSKADYKHKVYACEVTHQGLSSPVTYSFNRGEC 238
DB 181 STLTLSKADYKHKVYACEVTHQGLSSPVTYSFNRGEC 218

RESULT 12

US-08-887-352B-17
; Sequence 17, Application US/08887352B
; Patent No. 5994511
; GENERAL INFORMATION:
; APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
; TITLE OF INVENTION: Improved Anti-198 Antibodies and Method of
; TITLE OF INVENTION: Improving Polypeptides
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Winpatin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,352B
; FILING DATE: 03-Jul-1997
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Svoboda, Craig G.
; REGISTRATION NUMBER: 39,044
; REFERENCE/DOCKET NUMBER: P1123
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-1489
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 218 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
US-08-887-352B-17

Query Match 86.7%; Score 1073; DB 2; Length 218;
Best Local Similarity 95.0%; Pred. No. 5.1e-84;
Matches 207; Conservative 6; Mismatches 5; Indels 0; Gaps 0;

QY 21 DIVLTGSPSSISASVGRVITTCRASQSVDDYDGSYNNMWYQKPKAPKLLIYAASNLES 80
DB 1 DIQLTGSPSSISASVGRVITTCRASQSVDDYDGSYNNMWYQKPKAPKLLIYAASNLES 60
QY 81 GIPRFGSGSGGDTFTLTSSLOPEDPATYTCQOSNEDPRTFGGKTKEIRTYAAPSVP 140
DB 61 GIPRFGSGSGGDTFTLTSSLOPEDPATYTCQOSNEDPRTFGGKTKEIRTYAAPSVP 120
QY 141 IFPPSDQLKSGTASVCLNNFPREAKVOMKVDNALQSGNSQESVTEODSKDSTYSLS 200
DB 121 IFPPSDQLKSGTASVCLNNFPREAKVOMKVDNALQSGNSQESVTEODSKDSTYSLS 180
QY 201 STLTLSKADYKHKVYACEVTHQGLSSPVTYSFNRGEC 238
DB 181 STLTLSKADYKHKVYACEVTHQGLSSPVTYSFNRGEC 218

RESULT 13
US-08-887-352B-19
; Sequence 19, Application US/08887352B
; Patent No. 5994511

GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of
TITLE OF INVENTION: Improving Polypeptides
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-19

Query Match 86.7%; Score 1073; DB 2; Length 218;
Best Local Similarity 95.0%; Pred. No. 5.1e-84;
Matches 207; Conservative 6; Mismatches 5; Indels 0; Gaps 0;

QY 21 DIVLTGSPSSLSASVGRVITTCRASQSDVDGDSYNNWYQOKPKAKPLIYAASNLS 80
DB 1 DIQLTQSPSSLSASVGRVITTCRASQSDVDGDSYNNWYQOKPKAKPLIYAASNLS 60

QY 81 GIPSRFSGSGSGTDFLTITSLQPEDPATYTCQOSHEDPTFGGCTKEIKRTVAAPSVF 140
DB 61 GVPSRFSGSGSGTDFLTITSLQPEDPATYTCQOSHEDPTFGGCTKEIKRTVAAPSVF 120

QY 141 IFPPSDQLKSGTASVCLNNFPYPRKAKYQWKVDNALQSGNSQESVTEQDSKSTYSL 200
DB 121 IFPPSDQLKSGTASVCLNNFPYPRKAKYQWKVDNALQSGNSQESVTEQDSKSTYSL 180

QY 201 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
DB 181 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 218

RESULT 14
US-08-887-352B-24
Sequence 24, Application US/08887352B
Patent No. 5994511
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of
TITLE OF INVENTION: Improving Polypeptides
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-24

Query Match 86.7%; Score 1073; DB 2; Length 218;
Best Local Similarity 95.0%; Pred. No. 5.1e-84;
Matches 207; Conservative 6; Mismatches 5; Indels 0; Gaps 0;

QY 21 DIVLTGSPSSLSASVGRVITTCRASQSDVDGDSYNNWYQOKPKAKPLIYAASNLS 80
DB 1 DIQLTQSPSSLSASVGRVITTCRASQSDVDGDSYNNWYQOKPKAKPLIYAASNLS 60

QY 81 GIPSRFSGSGSGTDFLTITSLQPEDPATYTCQOSHEDPTFGGCTKEIKRTVAAPSVF 140
DB 61 GVPSRFSGSGSGTDFLTITSLQPEDPATYTCQOSHEDPTFGGCTKEIKRTVAAPSVF 120

QY 141 IFPPSDQLKSGTASVCLNNFPYPRKAKYQWKVDNALQSGNSQESVTEQDSKSTYSL 200
DB 121 IFPPSDQLKSGTASVCLNNFPYPRKAKYQWKVDNALQSGNSQESVTEQDSKSTYSL 180

QY 201 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
DB 181 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 218

RESULT 15
US-09-109-207C-15
Sequence 15, Application US/09109207C
Patent No. 6172213
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of Improving Polypeptides
FILE REFERENCE: P1123RI
CURRENT APPLICATION NUMBER: US/09/109,207C
CURRENT FILING DATE: 1998-06-30
PRIOR APPLICATION NUMBER: US 60/051,554
PRIOR FILING DATE: 1997-07-03
NUMBER OF SEQ ID NOS: 44
SEQ ID NO 15
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial
FEATURE:
NAME/KEY: Artificial
LOCATION: 1-218
OTHER INFORMATION: Light chain sequence derived from MAE11
US-09-109-207C-15

Query Match 86.7%; Score 1073; DB 3; Length 218;
Best Local Similarity 95.0%; Pred. No. 5.1e-84;
Matches 207; Conservative 6; Mismatches 5; Indels 0; Gaps 0;

QY 21 DIVLTGSPSSLSASVGRVITTCRASQSDVDGDSYNNWYQOKPKAKPLIYAASNLS 80
DB 1 DIQLTQSPSSLSASVGRVITTCRASQSDVDGDSYNNWYQOKPKAKPLIYAASNLS 60

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OM protein - protein search, using sw model

Run on: February 20, 2004, 13:31:02 ; Search time 18.0486 Seconds
(without alignments)
2761.047 Million cell updates/sec

Title: US-09-499-662-131

Perfect score: 1237
Sequence: 1 MENTTILWVLLWVPSTG.....EVTHQGSPTVSKFNRGEC 238

Scoring table:

BLOSUM62
Gap 10.0 , Gapext 0.5

Searched: 801455 seqs, 209382283 residues

Total number of hits satisfying chosen parameters: 801455

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database :

Listing first 45 summaries

Published Applications AA:*
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/PCRT_NEW_PUB.pep:*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*
4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*
5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*
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8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
9: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
10: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep:*
12: /cgn2_6/ptodata/1/pubpaa/US09C_NEW_PUB.pep:*
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14: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*
15: /cgn2_6/ptodata/1/pubpaa/US10C_NEW_PUB.pep:*
16: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*
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18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1237	100.0	238	12	US-10-384-933-131
2	1237	100.0	238	15	US-10-216-484-131
3	1236	99.9	238	12	US-10-384-933-127
4	1236	99.9	238	15	US-10-216-484-127
5	1232	99.6	238	12	US-10-384-933-129
6	1232	99.6	238	15	US-10-216-484-129
7	1174	94.9	238	12	US-10-384-933-107
8	1174	94.9	238	15	US-10-216-484-107
9	1169	94.5	238	12	US-10-384-933-50
10	1169	94.5	238	15	US-10-216-484-50
11	1156	93.5	238	12	US-10-384-933-52
12	1156	93.5	238	15	US-10-216-484-52
13	1155	93.4	238	12	US-10-384-933-109
14	1155	93.4	238	15	US-10-216-484-109
15	1154	93.3	238	12	US-10-384-933-54

16	1154	93.3	238	15	US-10-216-484-54	Sequence 54, App1
17	1144	92.5	238	12	US-10-353-708-38	Sequence 38, App1
18	1144	92.5	238	15	US-10-353-708-56	Sequence 56, App1
19	1144	92.5	238	15	US-10-171-452A-38	Sequence 38, App1
20	1144	92.5	238	15	US-10-171-452A-56	Sequence 56, App1
21	1134	91.7	238	12	US-10-353-708-44	Sequence 44, App1
22	1134	91.7	238	15	US-10-353-708-50	Sequence 50, App1
23	1134	91.7	238	15	US-10-171-452A-44	Sequence 44, App1
24	1134	91.7	238	15	US-10-171-452A-50	Sequence 50, App1
25	1133	90.0	218	9	US-09-917-410-2	Sequence 2, App1
26	1099	88.8	218	9	US-09-802-077-9	Sequence 9, App1
27	1099	88.8	218	9	US-09-802-096-9	Sequence 9, App1
28	1099	88.8	218	9	US-09-920-171-13	Sequence 13, App1
29	1099	88.8	218	11	US-09-925-179-9	Sequence 9, App1
30	1099	88.8	218	12	US-10-113-996-13	Sequence 13, App1
31	1086	87.8	218	11	US-09-925-179-67	Sequence 67, App1
32	1076	87.0	218	12	US-10-292-869-1	Sequence 1, App1
33	1076	87.0	218	12	US-09-792-938-1	Sequence 1, App1
34	1073	86.7	218	9	US-09-920-171-15	Sequence 15, App1
35	1073	86.7	218	9	US-09-920-171-17	Sequence 17, App1
36	1073	86.7	218	9	US-09-920-171-19	Sequence 19, App1
37	1073	86.7	218	9	US-09-920-171-24	Sequence 24, App1
38	1073	86.7	218	12	US-10-113-996-15	Sequence 15, App1
39	1073	86.7	218	12	US-10-113-996-17	Sequence 17, App1
40	1073	86.7	218	12	US-10-113-996-19	Sequence 19, App1
41	1073	86.7	218	12	US-10-113-996-24	Sequence 24, App1
42	1049	84.8	260	12	US-10-264-049-2296	Sequence 2296, App1
43	1048	84.7	236	10	US-09-859-053-30	Sequence 30, App1
44	1046.5	84.6	241	15	US-10-221-945-1	Sequence 1, App1
45	1043	84.3	240	12	US-10-159-006-36	Sequence 36, App1

ALIGNMENTS

RESULT 1
US-10-384-933-131
Sequence 131, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Harizawa, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuo
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384, 933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499, 662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053, 583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 131
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-131
Query Match 100.0%; Score 1237; DB 12; Length 238;
Best Local Similarity 100.0%; Pred. No. 2.7e-85;
Matches 238; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
CY 1 MENTTILWVLLWVPSTGDIVLTQSPSSLSASVGRVITTCCKASQSVVDGSSYMWY 60
DB 1 MENTTILWVLLWVPSTGDIVLTQSPSSLSASVGRVITTCCKASQSVVDGSSYMWY 60
CY 61 QOKGKAPKLLIYVANSINLESGIPRFSGSFGSTFTLTLSLQPEDFATYYCOOSNEDPR 120

Db 61 QOKGKAPKLLIYAASNLSEGISPRFSGSGGTDTFTLTSSLOPEDPATYCCQGSNEDPR 120
QY 121 TFGGKTVEIKRTVAAPSVFIFFPSDEQLKSGTASVCLNNFYREAKVOMKVDNALQS 180
Db 121 TFGGKTVEIKRTVAAPSVFIFFPSDEQLKSGTASVCLNNFYREAKVOMKVDNALQS 180
QY 181 GNSQSVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
Db 181 GNSQSVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

RESULT 2
US-10-216-484-131

Sequence 131, Application US/10216484
Publication No. US20030103976A1

GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OR INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 131
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-131

Query Match 100.0%; Score 1237; DB 15; Length 238;
Best Local Similarity 100.0%; Pred. No. 2.7e-85;
Matches 238; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 METDTILLWVLLWVPGSTGDIVLTQSPSSLSASVGRVITITCKASQSVYDGDGYNNMWY 60
Db 1 METDTILLWVLLWVPGSTGDIVLTQSPSSLSASVGRVITITCKASQSVYDGDGYNNMWY 60
QY 61 QOKGKAPKLLIYAASNLSEGISPRFSGSGGTDTFTLTSSLOPEDPATYCCQGSNEDPR 120
Db 61 QOKGKAPKLLIYAASNLSEGISPRFSGSGGTDTFTLTSSLOPEDPATYCCQGSNEDPR 120
QY 121 TFGGKTVEIKRTVAAPSVFIFFPSDEQLKSGTASVCLNNFYREAKVOMKVDNALQS 180
Db 121 TFGGKTVEIKRTVAAPSVFIFFPSDEQLKSGTASVCLNNFYREAKVOMKVDNALQS 180
QY 181 GNSQSVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
Db 181 GNSQSVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

RESULT 3

US-10-384-933-127
Sequence 127, Application US/10384933
Publication No. US20030170817A1

GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OR INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933

CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 127
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-127

Query Match 99.9%; Score 1236; DB 12; Length 238;
Best Local Similarity 99.6%; Pred. No. 3.2e-85;
Matches 237; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 METDTILLWVLLWVPGSTGDIVLTQSPSSLSASVGRVITITCKASQSVYDGDGYNNMWY 60
Db 1 METDTILLWVLLWVPGSTGDIVLTQSPSSLSASVGRVITITCKASQSVYDGDGYNNMWY 60
QY 61 QOKGKAPKLLIYAASNLSEGISPRFSGSGGTDTFTLTSSLOPEDPATYCCQGSNEDPR 120
Db 61 QOKGKAPKLLIYAASNLSEGISPRFSGSGGTDTFTLTSSLOPEDPATYCCQGSNEDPR 120
QY 121 TFGGKTVEIKRTVAAPSVFIFFPSDEQLKSGTASVCLNNFYREAKVOMKVDNALQS 180
Db 121 TFGGKTVEIKRTVAAPSVFIFFPSDEQLKSGTASVCLNNFYREAKVOMKVDNALQS 180
QY 181 GNSQSVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
Db 181 GNSQSVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

RESULT 4

US-10-216-484-127
Sequence 127, Application US/10216484
Publication No. US20030103976A1

GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OR INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 127
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-127

Query Match 99.9%; Score 1236; DB 15; Length 238;
Best Local Similarity 99.6%; Pred. No. 3.2e-85;
Matches 237; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 METDTILLWVLLWVPGSTGDIVLTQSPSSLSASVGRVITITCKASQSVYDGDGYNNMWY 60
Db 1 METDTILLWVLLWVPGSTGDIVLTQSPSSLSASVGRVITITCKASQSVYDGDGYNNMWY 60
QY 61 QOKGKAPKLLIYAASNLSEGISPRFSGSGGTDTFTLTSSLOPEDPATYCCQGSNEDPR 120

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Db 61 QOKGKAPKLIIVASNLSEGSVPFRSGSGGTDTLTITSSIQPEDFATYYCOQSNEDPR 120
Qy 121 TFGGKVEIKRTVAAPSVFIFFPSDEQLKSGTASVCLLNFPYREKAVQMKVDNALQS 180
Db 121 TFGGKVEIKRTVAAPSVFIFFPSDEQLKSGTASVCLLNFPYREKAVQMKVDNALQS 180
Qy 181 GNSGSEVTEODSKDSTYSLSSTLTLSKADYERKHVYACEVTHQGLSPVTKSFPNRGEC 238
Db 181 GNSGSEVTEODSKDSTYSLSSTLTLSKADYERKHVYACEVTHQGLSPVTKSFPNRGEC 238
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RESULT 5

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US-10-384-933-129
; Sequence 129, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/10/384,933
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 129
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; US-10-384-933-129
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Query Match 99.6%; Score 1232; DB 12; Length 238;
Best Local Similarity 99.2%; Pred. No. 6.4e-85;
Matches 236; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 METDTILLWVLLWVPGSTGDIIVLTQSPSSLSASVGRVTITCKASQSVVDYDGSYNNMW 60
Db 1 METDTILLWVLLWVPGSTGDIIVLTQSPSSLSASVGRVTITCKASQSVVDYDGSYNNMW 60
Qy 61 QOKGKAPKLIIVASNLSEGSVPFRSGSGGTDTLTITSSIQPEDFATYYCOQSNEDPR 120
Db 61 QOKGKAPKLIIVASNLSEGSVPFRSGSGGTDTLTITSSIQPEDFATYYCOQSNEDPR 120
Qy 121 TFGGKVEIKRTVAAPSVFIFFPSDEQLKSGTASVCLLNFPYREKAVQMKVDNALQS 180
Db 121 TFGGKVEIKRTVAAPSVFIFFPSDEQLKSGTASVCLLNFPYREKAVQMKVDNALQS 180
Qy 181 GNSGSEVTEODSKDSTYSLSSTLTLSKADYERKHVYACEVTHQGLSPVTKSFPNRGEC 238
Db 181 GNSGSEVTEODSKDSTYSLSSTLTLSKADYERKHVYACEVTHQGLSPVTKSFPNRGEC 238
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RESULT 6

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US-10-216-484-129
; Sequence 129, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
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; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 129
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; US-10-216-484-129
```

```
Query Match 99.6%; Score 1232; DB 15; Length 238;
Best Local Similarity 99.2%; Pred. No. 6.4e-85;
Matches 236; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 METDTILLWVLLWVPGSTGDIIVLTQSPSSLSASVGRVTITCKASQSVVDYDGSYNNMW 60
Db 1 METDTILLWVLLWVPGSTGDIIVLTQSPSSLSASVGRVTITCKASQSVVDYDGSYNNMW 60
Qy 61 QOKGKAPKLIIVASNLSEGSVPFRSGSGGTDTLTITSSIQPEDFATYYCOQSNEDPR 120
Db 61 QOKGKAPKLIIVASNLSEGSVPFRSGSGGTDTLTITSSIQPEDFATYYCOQSNEDPR 120
Qy 121 TFGGKVEIKRTVAAPSVFIFFPSDEQLKSGTASVCLLNFPYREKAVQMKVDNALQS 180
Db 121 TFGGKVEIKRTVAAPSVFIFFPSDEQLKSGTASVCLLNFPYREKAVQMKVDNALQS 180
Qy 181 GNSGSEVTEODSKDSTYSLSSTLTLSKADYERKHVYACEVTHQGLSPVTKSFPNRGEC 238
Db 181 GNSGSEVTEODSKDSTYSLSSTLTLSKADYERKHVYACEVTHQGLSPVTKSFPNRGEC 238
```

RESULT 7

```
US-10-384-933-107
; Sequence 107, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/10/384,933
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 107
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; US-10-384-933-107
```

```
Query Match 94.3%; Score 1174; DB 12; Length 238;
Best Local Similarity 93.3%; Pred. No. 1.4e-80;
Matches 222; Conservative 9; Mismatches 7; Indels 0; Gaps 0;
```

```
Qy 1 METDTILLWVLLWVPGSTGDIIVLTQSPSSLSASVGRVTITCKASQSVVDYDGSYNNMW 60
Db 1 METDTILLWVLLWVPGSTGDIIVLTQSPSSLSASVGRVTITCKASQSVVDYDGSYNNMW 60
```

```

Qy 61 QOKRGAAPKLLIYAASNLSEGIPIRFGSGSGTDFTLTISLQPEDFATYYCOQSNEDPR 120
    |||||
Db 61 QOKRGAAPRLLIYAASNLSEGIPIRFGSGSGTDFTLTISLQPEDFATYYCOQSNEDPR 120
Qy 121 TFGGCTVEIKRTYAASVFIIPPSPDEQLKSGTASVCLNNFPREAKVQMKVDNALQS 180
    |||||
Db 121 TFGGCTLEIKRTYAASVFIIPPSPDEQLKSGTASVCLNNFPREAKVQMKVDNALQS 180
Qy 181 GNSQESVTEODSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
    |||||
Db 181 GNSQESVTEODSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

```

RESULT 8
US-10-216-484-107
Sequence 107, Application US/10216484
Publication No. US20030103976A1

```

GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuo
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIE/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 107
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-107

```

Query Match 94.9%; Score 1174; DB 15; Length 238;
Best Local Similarity 93.3%; Pred. No. 1.4e-80;
Matches 222; Conservative 9; Mismatches 7; Indels 0; Gaps 0;

```

Qy 1 METDTILLWVLLWVPGSTGDIIVLTQSPSSASAVGDRVTITCKASQSVYDGDGSYNNMWY 60
    |||||
Db 1 METDTILLWVLLWVPGSTGDIIVLTQSPSSASAVGDRVTITCKASQSVYDGDGSYNNMWY 60
Qy 61 QOKRGAAPKLLIYAASNLSEGIPIRFGSGSGTDFTLTISLQPEDFATYYCOQSNEDPR 120
    |||||
Db 61 QOKRGAAPRLLIYAASNLSEGIPIRFGSGSGTDFTLTISLQPEDFATYYCOQSNEDPR 120
Qy 121 TFGGCTVEIKRTYAASVFIIPPSPDEQLKSGTASVCLNNFPREAKVQMKVDNALQS 180
    |||||
Db 121 TFGGCTLEIKRTYAASVFIIPPSPDEQLKSGTASVCLNNFPREAKVQMKVDNALQS 180
Qy 181 GNSQESVTEODSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
    |||||
Db 181 GNSQESVTEODSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

```

RESULT 9
US-10-384-933-50
Sequence 50, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuo
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies

```

FILE REFERENCE: 980126CIE/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 50
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-50

```

Query Match 94.5%; Score 1169; DB 12; Length 238;
Best Local Similarity 92.9%; Pred. No. 3.4e-80;
Matches 221; Conservative 9; Mismatches 8; Indels 0; Gaps 0;

```

Qy 1 METDTILLWVLLWVPGSTGDIIVLTQSPSSASAVGDRVTITCKASQSVYDGDGSYNNMWY 60
    |||||
Db 1 METDTILLWVLLWVPGSTGDIIVLTQSPSSASAVGDRVTITCKASQSVYDGDGSYNNMWY 60
Qy 61 QOKRGAAPKLLIYAASNLSEGIPIRFGSGSGTDFTLTISLQPEDFATYYCOQSNEDPR 120
    |||||
Db 61 QOKRGAAPRLLIYAASNLSEGIPIRFGSGSGTDFTLTISLQPEDFATYYCOQSNEDPR 120
Qy 121 TFGGCTVEIKRTYAASVFIIPPSPDEQLKSGTASVCLNNFPREAKVQMKVDNALQS 180
    |||||
Db 121 TFGGCTLEIKRTYAASVFIIPPSPDEQLKSGTASVCLNNFPREAKVQMKVDNALQS 180
Qy 181 GNSQESVTEODSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
    |||||
Db 181 GNSQESVTEODSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

```

RESULT 10
US-10-216-484-50
Sequence 50, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuo
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIE/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 50
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-50

Query Match 94.5%; Score 1169; DB 15; Length 238;
Best Local Similarity 92.9%; Pred. No. 3.4e-80;
Matches 221; Conservative 9; Mismatches 8; Indels 0; Gaps 0;

```

Qy 1 METDTILLWVLLWVPGSTGDIIVLTQSPSSASAVGDRVTITCKASQSVYDGDGSYNNMWY 60
    |||||
Db 1 METDTILLWVLLWVPGSTGDIIVLTQSPSSASAVGDRVTITCKASQSVYDGDGSYNNMWY 60

```



```

Db      1 METDTLLMWLLMVPSTGDIYVLTQSPGTLISPGERATLSCASQSVYDGDSDYNNMY 60
Qy      61 QOKRGAAPKLLIYAASNLSEGISPRFSGSGSGTDFTLTISLOPEDPATYTCQOSNEDPR 120
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      61 QOKRGAAPKLLIYAASNLSEGISPRFSGSGSGTDFTLTISLOPEDPATYTCQOSNEDPR 120
Qy      121 TFGGTVLEIKRTVAAPSVFIFFPPSDQLKSGTASVVCCLNNFYPREAKVQMKVDNALQS 180
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      121 TFGGTVLEIKRTVAAPSVFIFFPPSDQLKSGTASVVCCLNNFYPREAKVQMKVDNALQS 180
Qy      181 GNSQESTVEDSDSDSTYSLSSTLTLSKADYEKHKVYACEVTHOGLSSPVTKSFNRGEC 238
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      181 GNSQESTVEDSDSDSTYSLSSTLTLSKADYEKHKVYACEVTHOGLSSPVTKSFNRGEC 238

```

RESULT 14

```

US-10-216-484-109
; Sequence 109, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 109
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; chain of humanized anti-Fas antibody
US-10-216-484-109

```

```

Query Match      93.4%; Score 1155; DB 15; Length 238;
Best Local Similarity 92.0%; Pred. No. 3.9e-79;
Matches 219; Conservative 10; Mismatches 9; Indels 0; Gaps 0;

```

```

Qy      1 METDTLLMWLLMVPSTGDIYVLTQSPGTLISPGERATLSCASQSVYDGDSDYNNMY 60
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      1 METDTLLMWLLMVPSTGDIYVLTQSPGTLISPGERATLSCASQSVYDGDSDYNNMY 60
Qy      61 QOKRGAAPKLLIYAASNLSEGISPRFSGSGSGTDFTLTISLOPEDPATYTCQOSNEDPR 120
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      61 QOKRGAAPKLLIYAASNLSEGISPRFSGSGSGTDFTLTISLOPEDPATYTCQOSNEDPR 120
Qy      121 TFGGTVLEIKRTVAAPSVFIFFPPSDQLKSGTASVVCCLNNFYPREAKVQMKVDNALQS 180
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      121 TFGGTVLEIKRTVAAPSVFIFFPPSDQLKSGTASVVCCLNNFYPREAKVQMKVDNALQS 180
Qy      181 GNSQESTVEDSDSDSTYSLSSTLTLSKADYEKHKVYACEVTHOGLSSPVTKSFNRGEC 238
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      181 GNSQESTVEDSDSDSTYSLSSTLTLSKADYEKHKVYACEVTHOGLSSPVTKSFNRGEC 238

```

RESULT 15

```

US-10-384-933-54
; Sequence 54, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko

```

```

; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 54
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; chain of humanized anti-Fas antibody
US-10-384-933-54

```

```

Query Match      93.3%; Score 1154; DB 12; Length 238;
Best Local Similarity 92.0%; Pred. No. 4.6e-79;
Matches 219; Conservative 9; Mismatches 10; Indels 0; Gaps 0;

```

```

Qy      1 METDTLLMWLLMVPSTGDIYVLTQSPGTLISPGERATLSCASQSVYDGDSDYNNMY 60
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      1 METDTLLMWLLMVPSTGDIYVLTQSPGTLISPGERATLSCASQSVYDGDSDYNNMY 60
Qy      61 QOKRGAAPKLLIYAASNLSEGISPRFSGSGSGTDFTLTISLOPEDPATYTCQOSNEDPR 120
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      61 QOKRGAAPKLLIYAASNLSEGISPRFSGSGSGTDFTLTISLOPEDPATYTCQOSNEDPR 120
Qy      121 TFGGTVLEIKRTVAAPSVFIFFPPSDQLKSGTASVVCCLNNFYPREAKVQMKVDNALQS 180
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      121 TFGGTVLEIKRTVAAPSVFIFFPPSDQLKSGTASVVCCLNNFYPREAKVQMKVDNALQS 180
Qy      181 GNSQESTVEDSDSDSTYSLSSTLTLSKADYEKHKVYACEVTHOGLSSPVTKSFNRGEC 238
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      181 GNSQESTVEDSDSDSTYSLSSTLTLSKADYEKHKVYACEVTHOGLSSPVTKSFNRGEC 238

```

```

Search completed: February 20, 2004, 14:25:37
Job time : 19.0486 secs

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GenCore version 5.1.6
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OM protein - protein search, using SW model

Run on: February 20, 2004, 13:23:52 ; Search time 15.5872 Seconds
(without alignments)
1275.794 Million cell updates/sec

Title: US-09-499-662-143

Perfect score: 2517
Sequence: 1 MGSCITLFLVATATGVHSQ.....MHENHNHYTQKSLSPGK 470

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

1: Issued Patents AA: *
2: /cgn2_6/ptodata/1/1aa/5A_COMB.pep: *
3: /cgn2_6/ptodata/1/1aa/5B_COMB.pep: *
4: /cgn2_6/ptodata/1/1aa/6A_COMB.pep: *
5: /cgn2_6/ptodata/1/1aa/6B_COMB.pep: *
6: /cgn2_6/ptodata/1/1aa/6C_COMB.pep: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2255	89.6	472	US-09-301-593-43	Sequence 43, Appl
2	2232	88.7	449	US-08-458-516-13	Sequence 13, Appl
3	2230	88.6	476	US-08-378-939-10	Sequence 10, Appl
4	2202.5	87.5	467	US-09-049-672A-8	Sequence 8, Appl
5	2200.5	87.4	452	US-09-027-449-71	Sequence 71, Appl
6	2200.5	87.4	452	US-09-026-985-71	Sequence 71, Appl
7	2200.5	87.4	452	US-09-121-952A-71	Sequence 71, Appl
8	2200.5	87.4	452	US-09-234-340A-71	Sequence 71, Appl
9	2200	87.4	472	US-09-301-593-30	Sequence 30, Appl
10	2177	86.5	468	US-09-485-737B-67	Sequence 67, Appl
11	2177	86.5	711	US-09-485-737B-90	Sequence 90, Appl
12	2161.5	85.9	454	US-07-934-373C-22	Sequence 22, Appl
13	2161.5	85.9	454	US-08-437-642B-22	Sequence 22, Appl
14	2161.5	85.9	454	US-08-146-206C-22	Sequence 22, Appl
15	2161.5	85.9	454	PCT-US93-07832-22	Sequence 22, Appl
16	2160.5	85.8	453	US-09-301-593-18	Sequence 18, Appl
17	2144	85.2	472	US-08-793-450-8	Sequence 8, Appl
18	2144	84.4	451	US-08-887-352B-14	Sequence 14, Appl
19	2124	84.4	451	US-08-887-352B-16	Sequence 16, Appl
20	2124	84.4	451	US-08-466-151-65	Sequence 65, Appl
21	2124	84.4	451	US-09-109-207C-14	Sequence 14, Appl
22	2124	84.4	451	US-09-109-207C-16	Sequence 16, Appl
23	2124	84.4	451	US-09-286-005-14	Sequence 14, Appl
24	2124	84.4	451	US-09-286-005-16	Sequence 16, Appl
25	2121	84.3	478	US-08-487-550-8	Sequence 8, Appl
26	2121	84.3	478	US-09-526-098-8	Sequence 8, Appl
27	2116	84.1	451	US-08-887-352B-18	Sequence 18, Appl

28	2116	84.1	451	3	US-09-109-207C-18	Sequence 18, Appl
29	2116	84.1	451	3	US-09-282-505-2	Sequence 2, Appl
30	2116	84.1	451	3	US-09-054-255-2	Sequence 2, Appl
31	2116	84.1	451	3	US-09-296-005-18	Sequence 18, Appl
32	2116	84.1	451	4	US-09-282-846-2	Sequence 2, Appl
33	2116	84.1	451	4	US-09-680-145-2	Sequence 2, Appl
34	2105	83.6	453	3	US-08-466-151-8	Sequence 8, Appl
35	2105	83.6	453	4	US-08-466-163B-8	Sequence 8, Appl
36	2103.5	83.6	467	2	US-07-916-098A-45	Sequence 45, Appl
37	2102.5	83.5	449	4	US-09-679-397-2	Sequence 2, Appl
38	2102.5	83.5	449	4	US-09-680-148-2	Sequence 2, Appl
39	2102.5	83.5	449	4	US-09-304-465A-2	Sequence 2, Appl
40	2099.5	83.4	552	5	PCT-US93-07832-23	Sequence 23, Appl
41	2096.5	83.3	469	2	US-07-934-373C-23	Sequence 23, Appl
42	2096.5	83.3	469	3	US-08-437-642B-23	Sequence 23, Appl
43	2096.5	83.3	469	4	US-08-146-206C-23	Sequence 23, Appl
44	2096	83.3	451	4	US-09-247-352-3	Sequence 3, Appl
45	2096	83.3	451	4	US-09-466-635-3	Sequence 3, Appl

ALIGNMENTS

```
RESULT 1
US-09-301-593-43
Sequence 43, Application US/09301593A
Patent No. 6455677
GENERAL INFORMATION:
APPLICANT: Park, John E.
APPLICANT: Garlin-Chesla, Pilar
APPLICANT: Bamberger, Uwe
APPLICANT: Leiger, Olivier
APPLICANT: Saldanha, Jose W.
APPLICANT: Retig, Wolfgang J.
TITLE OF INVENTION: PAP-specific Antibody with Improved Producibility
FILE REFERENCE: 0652.189001
CURRENT APPLICATION NUMBER: US/09/301,593A
EARLIER FILING DATE: 1999-04-29
EARLIER APPLICATION NUMBER: EP 98107925.4
EARLIER FILING DATE: 1998-04-30
EARLIER APPLICATION NUMBER: US 60/086,049
EARLIER FILING DATE: 1998-05-18
NUMBER OF SEQ ID NOS: 108
SOFTWARE: Patentl Ver. 2.0
SEQ ID NO 43
LENGTH: 472
TYPE: PRT
ORGANISM: Homo sapiens
US-09-301-593-43
Query Match 89.6%; Score 2255; DB 4; Length 472;
Best Local Similarity 90.5%; Pred. No. 4.5e-161;
Matches 428; Conservative 11; Mismatches 30; Indels 4; Gaps 2;
1 MGSCITLFLVATATGVHSQVLQSGAEVKKPGASVKSCAKSGYFTSYMMQVROAP 60
1 MDWTRWFCILAAVAPGASHVOVLQSGAEVKKPGASVKCKSRIFTETTIMVROAP 60
61 GQGLEWNGRIDPSDSTNNYQKFKGKATLTVDSTSTAYMELSLRSEDYAVYCARNR- 119
61 GQRLFWIGINPNNGIGINPNYQKFKGRATLTVGKASATAYMELSLRSEDYAVYCARNR 120
120 --DYSNNWYEDPWQGGTLVYSSASTGSPYFPLAESSKTSISGTAALGCLVQYFPEPV 177
121 AYGDGEHAMDYWGQGLTVYVS--STKGPVYFPLAPSKTSISGTAALGCLVQYFPEPV 179
178 TVSNNSGALTSVTPPAVLOSGSLYSVTVYTPSSSLGTQTYICVNNHPSNTKDKR 237
180 TVSNNSGALTSVTPPAVLOSGSLYSVTVYTPSSSLGTQTYICVNNHPSNTKDKR 239
238 VEPKCDKHTCPCPAPPELLGSPVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVK 297
240 VEPKCDKHTCPCPAPPELLGSPVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVK 299
```

QY 298 FNNYVDGEVHNATKREEQYNSTYRVSVLTVDHMDLNGKEYKCKVSNKALPAPLEK 357
DB 300 FNNYVDGEVHNATKREEQYNSTYRVSVLTVDHMDLNGKEYKCKVSNKALPAPLEK 359
QY 358 TISKAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGFPYSDIAVEMESNGQPENNYKTT 417
DB 360 TISKAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGFPYSDIAVEMESNGQPENNYKTT 419
QY 418 PVLVDGSGFFLYSKLTVDKSRMOQGNVFCSCVMHBAHNYTOKSLSPGK 470
DB 420 PVLVDGSGFFLYSKLTVDKSRMOQGNVFCSCVMHBAHNYTOKSLSPGK 472

RESULT 2
US-08-458-516-13
Sequence 13, Application US/08458516
Patent No. 5777085
GENERAL INFORMATION:
APPLICANT: Tso, J. Yun
APPLICANT: Tso, J. Yun
TITLE OF INVENTION: Humanized Antibodies Reactive with
TITLE OF INVENTION: GPIIb/IIIa
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESSES:
ADDRESSEE: William M. Smith
STREET: One Market Plaza, Steuart Tower, Suite 2000
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/458,516
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/059,159
FILING DATE: 03-MAY-1993
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 11823-37-3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2422
TELEFAX: 415-326-2422
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 449 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-458-516-13

Query Match 88.7%; Score 2232; DB 1; Length 449;
Best Local Similarity 93.1%; Pred. No. 2,2e-159;
Matches 420; Conservative 14; Mismatches 15; Indels 2; Gaps 2;

QY 20 QVQVVGSGAEYKRGASVYKSCASGTYFTSYMMQVYQAGGGLMMGGLIDPDSTYNY 79
DB 1 QVQVVGSGAEYKRGASVYKSCASGTYFTSYMMQVYQAGGGLMMGGLIDPDSTYNY 60

QY 80 NOKKGAATLVDPSTSTAYMELSLREEDTAVYVCANRDYSNNWYFDVWGQGLTVTVS 139
DB 61 NEKKGAVTLVDSDINTAHMELSSLESDTAVYFCAR-RKNGTGM-FAYGGGLTVTVS 118

QY 140 SASTGSPVFPPLAPSSKSTSGGTALGCLVVDYEPPEYTVSWNSGALTSVHTPEAVLOS 199

DB 119 SASTGSPVFPPLAPSSKSTSGGTALGCLVVDYEPPEYTVSWNSGALTSVHTPEAVLOS 178
QY 200 SGVYSLSSVTVVSSSLGTQTYICNVNHPKSNKALPAPLEKCDKTHTCPCAPBLG 259
DB 179 SGVYSLSSVTVVSSSLGTQTYICNVNHPKSNKALPAPLEKCDKTHTCPCAPBLG 238
QY 260 GPSVFLFPKPKOTLMISRPETVCVVVDVSHEDPEYKFNWYVDGVVHNATKPREEOY 319
DB 239 GPSVFLFPKPKOTLMISRPETVCVVVDVSHEDPEYKFNWYVDGVVHNATKPREEOY 298
QY 320 NSTYRVSVSVTLVDHMDLNGKEYKCKVSNKALPAPLEKISKAKQPREPOVYTLPPSRD 379
DB 299 NSTYRVSVSVTLVDHMDLNGKEYKCKVSNKALPAPLEKISKAKQPREPOVYTLPPSRD 358
QY 380 EMTKNOVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTPLVDGSGFFLYSKLTVDKSR 439
DB 359 EMTKNOVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTPLVDGSGFFLYSKLTVDKSR 418
QY 440 WQGNVFCSCVMHBAHNYTOKSLSPGK 470
DB 419 WQGNVFCSCVMHBAHNYTOKSLSPGK 449

RESULT 3
US-08-378-939-10
Sequence 10, Application US/08378939
Patent No. 5876961
GENERAL INFORMATION:
APPLICANT: CROME, JAMES SCOTT
APPLICANT: LEWIS, ALAN PETER
TITLE OF INVENTION: PRODUCTION OF ANTIBODIES
NUMBER OF SEQUENCES: 46
CORRESPONDENCE ADDRESSES:
ADDRESSEE: ROTHWELL, FIGG, ERNST & KURZ
STREET: 555 THIRTEENTH ST. N.W.
CITY: WASHINGTON
STATE: D. C.
COUNTRY: U.S.
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/378,939
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/952640
FILING DATE: 01-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: ERNST, BARBARA G
REGISTRATION NUMBER: 30,377
REFERENCE/DOCKET NUMBER: 1808-118
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 783-6040
TELEFAX: (202) 783-6031
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 476 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-378-939-10

Query Match 88.6%; Score 2230; DB 2; Length 476;
Best Local Similarity 88.4%; Pred. No. 3.4e-159;
Matches 421; Conservative 21; Mismatches 28; Indels 6; Gaps 1;

QY 1 MGWSCIILFLVATATGYHSQVQVVGSGAEYKRPASVYKSCASGTYFTSYMMQVYQAP 60
DB 1 MDWTRFLFVVAATGVQSQVQVVGSGAEYKRPASVYKSCASGTYFTSYMMQVYQAP 60

[illegible]

```

?      SEQUENCE CHARACTERISTICS:
?      LENGTH: 467 amino acids
?      TYPE: amino acid
?      STRANDEDNESS: single
?      TOPOLOGY: linear
?      IMMEDIATE SOURCE:
?      LIBRARY: LUNGTUT11
?      CLONE: 2747531
US-09-049-672A-8

```

INFORMATION FOR SEQ ID NO: 8:

```

CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/074,330
FILING DATE: 22-Jan-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/038,664
FILING DATE: 21-Feb-1997
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P1085R3-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 452 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-09-027-449-71

```

```

Query Match      87.4%; Score 2200.5; DB 3; Length 452;
Best Local Similarity 90.0%; Pred. No. 5.2e-157;
Matches 407; Conservative 27; Mismatches 17; Indels 1; Gaps 1;

```

```

QY 20 QVQLVDSGAEVKKPKASVKSCASGYTFSTSYMMQWYKQAPGGLGEMWGELIDPSDSTNY 79
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 1 EVQLVDSGGGLVPGGSLRLSCASGYSFSSHHVHWYRQAPGKLEWVGIDPSNGETTY 60
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 80 NQPKFGATLTVDTSSTAYMELSLRSEDYAVYYCAR-NRDYSNNYFDWGGTLVTV 138
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 61 NQPKFGATLTVDTSSTAYMELSLRSEDYAVYYCAR-NRDYSNNYFDWGGTLVTV 120
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 139 SSASTKSPVFPPLAPSSKSTSGGTAALGCLVKDYFPEPVYVSNMNGALTSVHTFPV 198
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 121 SSASTKSPVFPPLAPSSKSTSGGTAALGCLVKDYFPEPVYVSNMNGALTSVHTFPV 180
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 199 SSGLYSLSSVYVTPSSSLGDTYICNVNHPKSNKVDKRPKSCDKTHTCPCPEAP 258
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 181 SSGLYSLSSVYVTPSSSLGDTYICNVNHPKSNKVDKRPKSCDKTHTCPCPEAP 240
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 259 GGSVFLPFPKPKDTLMISRTPEYTCVVDVSHEDPEVKFNMYDGVENNAKTKPRE 318
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 241 GGSVFLPFPKPKDTLMISRTPEYTCVVDVSHEDPEVKFNMYDGVENNAKTKPRE 300
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 319 YNSTYRVSVYLVTHQDMLNGEKYCKVSNKALPAPIEKTIISKAKGPREQVYTLPP 378
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 301 YNSTYRVSVYLVTHQDMLNGEKYCKVSNKALPAPIEKTIISKAKGPREQVYTLPP 360
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 379 EEMTKNOVSLTCLVKGFPSPDIAYEWESNGOPENNYKTTTPVLDSDGSFFLYSKLT 438
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 361 EEMTKNOVSLTCLVKGFPSPDIAYEWESNGOPENNYKTTTPVLDSDGSFFLYSKLT 420
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 439 RMOQGNVFCSCVMHEALHNHYTKSLSPGK 470
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 421 RMOQGNVFCSCVMHEALHNHYTKSLSPGK 452
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

```

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RESULT 6
US-09-026-985-71
Sequence 71, Application US/09026985
Patent No. 6133426
GENERAL INFORMATION:
APPLICANT: Gonzalez, Tania R.
APPLICANT: Leong, Steven R.
APPLICANT: Presta, Leonard G.
TITLE OF INVENTION: Antibody Fragment-Polymer Conjugates and
TITLE OF INVENTION: Humanized Anti-IL-8 Monoclonal Antibodies
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco

```

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STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPacIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/026,985
FILING DATE: 20-Feb-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P1085R3-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 452 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-09-026-985-71

```

```

Query Match      87.4%; Score 2200.5; DB 3; Length 452;
Best Local Similarity 90.0%; Pred. No. 5.2e-157;
Matches 407; Conservative 27; Mismatches 17; Indels 1; Gaps 1;

```

```

QY 20 QVQLVDSGAEVKKPKASVKSCASGYTFSTSYMMQWYKQAPGGLGEMWGELIDPSDSTNY 79
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 1 EVQLVDSGGGLVPGGSLRLSCASGYSFSSHHVHWYRQAPGKLEWVGIDPSNGETTY 60
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 80 NQPKFGATLTVDTSSTAYMELSLRSEDYAVYYCAR-NRDYSNNYFDWGGTLVTV 138
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 61 NQPKFGATLTVDTSSTAYMELSLRSEDYAVYYCAR-NRDYSNNYFDWGGTLVTV 120
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 139 SSASTKSPVFPPLAPSSKSTSGGTAALGCLVKDYFPEPVYVSNMNGALTSVHTFPV 198
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 121 SSASTKSPVFPPLAPSSKSTSGGTAALGCLVKDYFPEPVYVSNMNGALTSVHTFPV 180
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 259 GGSVFLPFPKPKDTLMISRTPEYTCVVDVSHEDPEVKFNMYDGVENNAKTKPRE 318
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 241 GGSVFLPFPKPKDTLMISRTPEYTCVVDVSHEDPEVKFNMYDGVENNAKTKPRE 300
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 319 YNSTYRVSVYLVTHQDMLNGEKYCKVSNKALPAPIEKTIISKAKGPREQVYTLPP 378
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 301 YNSTYRVSVYLVTHQDMLNGEKYCKVSNKALPAPIEKTIISKAKGPREQVYTLPP 360
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 379 EEMTKNOVSLTCLVKGFPSPDIAYEWESNGOPENNYKTTTPVLDSDGSFFLYSKLT 438
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 361 EEMTKNOVSLTCLVKGFPSPDIAYEWESNGOPENNYKTTTPVLDSDGSFFLYSKLT 420
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 439 RMOQGNVFCSCVMHEALHNHYTKSLSPGK 470
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 421 RMOQGNVFCSCVMHEALHNHYTKSLSPGK 452
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

```

```

RESULT 7
US-09-121-952A-71
Sequence 71, Application US/09121952A
Patent No. 6458355
GENERAL INFORMATION:
APPLICANT: Genentech, Inc., Hse, Vanessa
APPLICANT: Leong, Steven R.
APPLICANT: Presta, Leonard G.
APPLICANT: Shantrokh, Zahra

```

APPLICANT: Zapata, Gerardo A.
TITLE OF INVENTION: METHODS OF TREATING INFLAMMATORY DISEASES
TITLE OF INVENTION: WITH ANTI-IL-8 ANTIBODY FRAGMENT-POLYMER CONJUGATES
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/121,952A
FILING DATE: 24-Jul-1998
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/074330
FILING DATE: 22-JAN-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/075467
FILING DATE: 20-FEB-1998
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P108584
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 452 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-09-121-952A-71

Query Match 87.4%; Score 2200.5; DB 4; Length 452;
Best Local Similarity 90.0%; Pred. No. 5.2e-157;
Matches 407; Conservative 27; Mismatches 17; Indels 1; Gaps 1;

QY 20 QVQVVGAGAEYKKGASVYKSCASGTYFTSYMMQWKOAPGGLGEMMGLDPSDSTYNY 79
DB 1 EVQLVDSGGGLVQPGGSLRLSCAASGYSFSSHYMWVQAQPGKLEWGYIDPSNGETTY 60
QY 80 NQKFKGATLTVDISTSTAYMELSLRSBDTAVYYCAR-NRDYSNNYFDVWGQGLTVTV 138
DB 61 NQKFKGATLTVDISTSTAYMELSLRSBDTAVYYCARGDYRNGDMFFDVWGQGLTVTV 120
QY 139 SSASTKGPSVPFLAPSSKSTSGGTALGCLVKDYFPEPVYTVSNMNGALTSVHTFPAVLQ 198
DB 121 SSASTKGPSVPFLAPSSKSTSGGTALGCLVKDYFPEPVYTVSNMNGALTSVHTFPAVLQ 180
QY 199 SSGIYSLSSVTVTPSSSLGTYICNVNHPKSNKTVDKRVPKSCDKTHHTCPCPAPRL 258
DB 181 SSGIYSLSSVTVTPSSSLGTYICNVNHPKSNKTVDKRVPKSCDKTHHTCPCPAPRL 240
QY 259 GSGEVPFLPPEPKDTIMISRTPEVTCVVVDVSHEDPEVKFMWYVDGAVNAKTRPREQ 318
DB 241 GSGEVPFLPPEPKDTIMISRTPEVTCVVVDVSHEDPEVKFMWYVDGAVNAKTRPREQ 300
QY 319 YNSTYRIVSVLTALHODWLNKGEYKCKVSNKALPAPIEKTIISKAKGQPREPQVYTLPPSR 378
DB 301 YNSTYRIVSVLTALHODWLNKGEYKCKVSNKALPAPIEKTIISKAKGQPREPQVYTLPPSR 360
QY 379 EEMTKRNVSLTCLVKGFPSPDIAYVEWESNGQPENNYKTTTPYVLSDSGFFLYSKLTVDKS 438
DB 361 EEMTKRNVSLTCLVKGFPSPDIAYVEWESNGQPENNYKTTTPYVLSDSGFFLYSKLTVDKS 420
QY 439 RMQGNVFSQVMBALHNHYTQKSLSLSPGK 470

DB 421 RMQGNVFSQVMBALHNHYTQKSLSLSPGK 452

RESULT 8
US-09-234-340A-71
Sequence 71, Application US/09234340A
Patent No. 6468532
GENERAL INFORMATION:
APPLICANT: Genentech, Inc., Hsei, Vanessa
APPLICANT: Kouments, Iphigenia
APPLICANT: Leong, Steven R.
APPLICANT: Presta, Leonard G.
APPLICANT: Shahrokh, Zahra
APPLICANT: Zapata, Gerardo A.
TITLE OF INVENTION: METHODS OF TREATING INFLAMMATORY DISEASES
TITLE OF INVENTION: WITH ANTI-IL-8 ANTIBODY FRAGMENT-POLYMER CONJUGATES
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/234,340A
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/121,952
FILING DATE: 24-Jul-1998
APPLICATION NUMBER: 60/074330
FILING DATE: 22-JAN-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/075467
FILING DATE: 20-FEB-1998
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P108584
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 452 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-09-234-340A-71

Query Match 87.4%; Score 2200.5; DB 4; Length 452;
Best Local Similarity 90.0%; Pred. No. 5.2e-157;
Matches 407; Conservative 27; Mismatches 17; Indels 1; Gaps 1;

QY 20 QVQVVGAGAEYKKGASVYKSCASGTYFTSYMMQWKOAPGGLGEMMGLDPSDSTYNY 79
DB 1 EVQLVDSGGGLVQPGGSLRLSCAASGYSFSSHYMWVQAQPGKLEWGYIDPSNGETTY 60
QY 80 NQKFKGATLTVDISTSTAYMELSLRSBDTAVYYCAR-NRDYSNNYFDVWGQGLTVTV 138
DB 61 NQKFKGATLTVDISTSTAYMELSLRSBDTAVYYCARGDYRNGDMFFDVWGQGLTVTV 120
QY 139 SSASTKGPSVPFLAPSSKSTSGGTALGCLVKDYFPEPVYTVSNMNGALTSVHTFPAVLQ 198
DB 121 SSASTKGPSVPFLAPSSKSTSGGTALGCLVKDYFPEPVYTVSNMNGALTSVHTFPAVLQ 180
QY 199 SSGIYSLSSVTVTPSSSLGTYICNVNHPKSNKTVDKRVPKSCDKTHHTCPCPAPRL 258

Db 181 SSGYSLSSVTYSSSSLGITQYICNVNHPKSNITVDKVEPKSCDKHTCPCPAPBL 240
Qy 259 GGSVPFLPPKPKDTLMSRTPEVTCVVDVSHEDPEKFNMYVDGVEVNAKTPREQ 318
Db 241 GGSVPFLPPKPKDTLMSRTPEVTCVVDVSHEDPEKFNMYVDGVEVNAKTPREQ 300
Qy 319 YNSTYRVSVLTJLHODWLNGEKYCKVSNALPAPIEKTISKAKGPREPQVYTLPPSR 378
Db 301 YNSTYRVSVLTJLHODWLNGEKYCKVSNALPAPIEKTISKAKGPREPQVYTLPPSR 360
Qy 379 EEMTKNQVSLTCLVKGFIPSDIAVEMESNGQPENNYKTTPPLDSDGFFLIYSLTNDKS 438
Db 361 EEMTKNQVSLTCLVKGFIPSDIAVEMESNGQPENNYKTTPPLDSDGFFLIYSLTNDKS 420
Qy 439 RMOQGNVSCSVMEHAIHNHYTQKSLSLSPGK 470
Db 421 RMOQGNVSCSVMEHAIHNHYTQKSLSLSPGK 452

RESULT 9
US-09-301-593-30

Sequence 30, Application US/09301593A
Patent No. 6455677
GENERAL INFORMATION:
APPLICANT: Park, John B.
APPLICANT: Garin-Chesa, Pilar
APPLICANT: Bamberger, Uwe
APPLICANT: Leger, Olivier
APPLICANT: Saldanha, Jose W.
APPLICANT: Retzig, Wolfgang J.
TITLE OF INVENTION: FAP-specific Antibody with improved producibility
FILE REFERENCE: 0652.1890001
CURRENT APPLICATION NUMBER: US/09/301,593A
CURRENT FILING DATE: 1999-04-29
EARLIER APPLICATION NUMBER: EP 98107925.4
EARLIER FILING DATE: 1998-04-30
EARLIER APPLICATION NUMBER: US 60/086,049
EARLIER FILING DATE: 1998-05-18
NUMBER OF SEQ ID NOS: 108
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 30
LENGTH: 472
TYPE: PRT
ORGANISM: Homo sapiens
US-09-301-593-30

Query Match 87.4%; Score 2200; DB 4; Length 472;

Best Local Similarity 87.9%; Pred. No. 5,9e-157;
Matches 416; Conservative 19; Mismatches 34; Indels 4; Gaps 2;

Qy 1 MGMSCTILFLVATATGVSQVQLVQSGAEVKKRQASVNVSCVCSQSYTFSTSYMOMVQKAP 60
Db 1 MGMSVTFEFLISGATGAVSEVQLQDSGPRLVYPGASVMSCKTSRYTTEVYIHHVRSKSH 60
Qy 61 GQGLEEMMEIDPSDSTYNQKFKGKATLTVDSTSTAYMELSLRSEDATVYYCARNR- 119
Db 61 GKSLEFMIGINPNNGIPIRYNOKFKGRATLTVGKSSSTAYMELRSLTSSDSANYFCARRI 120
Qy 120 --DYNNNYPFVWGQGLTVYSSASTKGPVSFPLAPSSKSTSGGTALGCLVKDYFPEPV 177
Db 121 AYGVDEGHAMDYWGQGLTVYSS--STKGPVSFPLAPSSKSTSGGTALGCLVKDYFPEPV 179
Qy 178 TVSNMNSGALTSGVHFFPAVLQSSGLYSLSVTVVSSSLGTQYICNVNHPKSNITVDK 237
Db 180 TVSNMNSGALTSGVHFFPAVLQSSGLYSLSVTVVSSSLGTQYICNVNHPKSNITVDK 239
Qy 238 VEPKSCDTHTCPCPAPBELLGPSVFLPPKPKDTLMSRTPEVTCVVDVSHEDPEVK 297
Db 240 VEPKSCDTHTCPCPAPBELLGPSVFLPPKPKDTLMSRTPEVTCVVDVSHEDPEVK 299
Qy 298 FNMVYDGVVNAKTPREQYNSTYRVSVLTJLHODWLNGEKYCKVSNALPAPIEK 357

Db 300 FNMVYDGVVNAKTPREQYNSTYRVSVLTJLHODWLNGEKYCKVSNALPAPIEK 359
Qy 358 TISKAKGPREPQVYTLPPSR EEMTKNQVSLTCLVKGFIPSDIAVEMESNGQPENNYKT 417
Db 360 TISKAKGPREPQVYTLPPSR EEMTKNQVSLTCLVKGFIPSDIAVEMESNGQPENNYKT 419
Qy 418 PPVLDSDGSFFLIYSLTNDKSRMQGNVSCSVMEHAIHNHYTQKSLSLSPGK 470
Db 420 PPVLDSDGSFFLIYSLTNDKSRMQGNVSCSVMEHAIHNHYTQKSLSLSPGK 472

RESULT 10
US-09-485-737B-67

Sequence 67, Application US/09485737B
Patent No. 6350860
GENERAL INFORMATION:
APPLICANT: Buyse, Marie-Ange
APPLICANT: Sablon, Edwin
TITLE OF INVENTION: INTERFERON-gamma-BINDING MOLECULES FOR TREATING SEPTIC SHOCK,
FILE REFERENCE: INNS:015
CURRENT APPLICATION NUMBER: US/09/485,737B
CURRENT FILING DATE: 2000-02-14
PRIOR APPLICATION NUMBER: PCT/EP 98/05165
PRIOR FILING DATE: 1998-08-14
PRIOR APPLICATION NUMBER: EPO 98870139.7
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: EPO 97870122.5
PRIOR FILING DATE: 1997-08-18
NUMBER OF SEQ ID NOS: 104
SOFTWARE: PatentIn version 3.0
SEQ ID NO 67
LENGTH: 468
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: SYNTHETIC
US-09-485-737B-67

Query Match 86.5%; Score 2177; DB 4; Length 468;

Best Local Similarity 88.2%; Pred. No. 3,1e-155;
Matches 410; Conservative 20; Mismatches 31; Indels 4; Gaps 1;

Qy 6 ILFLVATATGVSQVQLVQSGAEVKKRQASVNVSCVCSQSYTFSTSYMOMVQKAPGQGLE 65
Db 7 IFSLTASAVILISQVQLVQSGSELKRRQASVSKASGATFTDYDGMNWKQAPGGGLK 66
Qy 66 IMGEIDPSDSTYNQKFKGKATLTVDSTSTAYMELSLRSEDATVYYCARNRDYSNNW 125
Db 67 WMGMINTYTGESTYVDPFKGRFVPSLDTVSAAVLQISLKAEDATYFCARRGPTA-- 123
Qy 126 YFDVWGQGLTVYSSASTKGPVSFPLAPSSKSTSGGTALGCLVKDYFPEPVTVSNMNSGA 185
Db 124 -MDTWGQGLTVYSSASTKGPVSFPLAPSSKSTSGGTALGCLVKDYFPEPVTVSNMNSGA 182
Qy 186 LTSGVHFFPAVLQSSGLYSLSVTVVSSSLGTQYICNVNHPKSNITVDKRVKPSGCDK 245
Db 183 LTSGVHFFPAVLQSSGLYSLSVTVVSSSLGTQYICNVNHPKSNITVDKRVKPSGCDK 242
Qy 246 THTCPAPAPBELLGPSVFLPPKPKDTLMSRTPEVTCVVDVSHEDPEVKFNMYVDGV 305
Db 243 THTCPAPAPBELLGPSVFLPPKPKDTLMSRTPEVTCVVDVSHEDPEVKFNMYVDGV 302
Qy 306 EVHNAKTPREQYNSTYRVSVLTJLHODWLNGEKYCKVSNALPAPIEKTISKAKG 365
Db 303 EVHNAKTPREQYNSTYRVSVLTJLHODWLNGEKYCKVSNALPAIIEKTISKAKG 362
Qy 366 PREPQVYTLPPSR EEMTKNQVSLTCLVKGFIPSDIAVEMESNGQPENNYKTTPPLDSDG 425
Db 363 PREPQVYTLPPSR EEMTKNQVSLTCLVKGFIPSDIAVEMESNGQPENNYKTTPPLDSDG 422
Qy 426 SFFLYSKLTVDKSRMQGNVSCSVMEHAIHNHYTQKSLSLSPGK 470

Db 423 SFPLYSKLTVDKSRWQGNVFCSCVMHBALNHNTQKSLSLSPGK 467

RESULT 11

US-09-485-737B-90

Sequence 90, Application US/09485737B

Patent No. 6350860

GENERAL INFORMATION:

APPLICANT: Buyee, Marie-Ange

APPLICANT: Sadlon, Brian

TITLE OF INVENTION: INTERFERON-gamma-BINDING MOLECULES FOR TREATING SEPTIC SHOCK,

FILE REFERENCE: INNS-015

CURRENT FILING DATE: 2000-02-14

PRIOR APPLICATION NUMBER: PCT/EP 96/05165

PRIOR FILING DATE: 1998-08-14

PRIOR APPLICATION NUMBER: EPO 98870139.7

PRIOR FILING DATE: 1998-06-18

PRIOR APPLICATION NUMBER: EPO 97870122.5

PRIOR FILING DATE: 1997-08-18

NUMBER OF SEQ ID NOS: 104

SOFTWARE: PatentIn version 3.0

SEQ ID NO 90

LENGTH: 711

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: SYNTHETIC

US-09-485-737B-90

Query Match 86.5%; Score 2177; DB 4; Length 711;

Best Local Similarity 88.2%; Pred. No. 5.4e-155;

Matches 410; Conservative 20; Mismatches 31; Indels 4; Gaps 1;

QY 6 ILLELVATANGVHSQVQLVQSGAEVKKRQASGVYSKASGYTFTSYMMQWYKQAPGQGLE 65

Db 7 IFSFLIASAVIISQVQLVQSGSELKRRGASVKISCKRSGYTFIDYGMWYKQAPGQGLK 66

QY 66 WMGESIDSDSYTNVNOFKRGAATLTDSTSTAYMELSLSRSEDTAVYYCARNDYSNNW 125

Db 67 WMGINITYGESITVDVDFKGRFVPSLDTSVAAYLIQISLSLAEDTATYFCARRGFYA--- 123

QY 126 YPDVWGQGLTVTVSSASTKGPVSFPLAPSSKTSSTGTAALGCLVNDYFPEPVTVSWNSGA 185

Db 124 -MDYWGQGLTVTVSSASTKGPVSFPLAPSSKTSSTGTAALGCLVNDYFPEPVTVSWNSGA 182

QY 186 LTSGVHTFPAVLQSSGLYSLSVTVPSSSLGTQTYICNVNHRKPSNTKYDKRVEPKSCDK 245

Db 183 LTSGVHTFPAVLQSSGLYSLSVTVPSSSLGTQTYICNVNHRKPSNTKYDKRVEPKSCDK 242

QY 246 THTCPCPADAPELLGGPSVFLPPPKKDTLMSRTPEVTCVVVDVSHEDPEVKFNNYVYDGV 305

Db 243 THTCPCPADAPELLGGPSVFLPPPKKDTLMSRTPEVTCVVVDVSHEDPEVKFNNYVYDGV 302

QY 306 EYHNAKTRPREEOVNSTYRVVSVLTVLHQMILNGEKYCKVSNKALPAPIETKTSKAGQ 365

Db 303 EYHNAKTRPREEOVNSTYRVVSVLTVLHQMILNGEKYCKVSNKALPAPIETKTSKAGQ 362

QY 366 PREPOVTLTPPSREEMTKNQVSLTCLVKGFYPSDIAVWESNNGQPENNYKTPPVLDSDG 425

Db 363 PREPOVTLTPPSREEMTKNQVSLTCLVKGFYPSDIAVWESNNGQPENNYKTPPVLDSDG 422

QY 426 SFPLYSKLTVDKSRWQGNVFCSCVMHBALNHNTQKSLSLSPGK 470

Db 423 SFPLYSKLTVDKSRWQGNVFCSCVMHBALNHNTQKSLSLSPGK 467

RESULT 12

US-07-934-373C-22

Sequence 22, Application US/07934373C

Patent No. 5821337

GENERAL INFORMATION:

APPLICANT: Paul J. Carter

APPLICANT: Leonard G. Presta

TITLE OF INVENTION: Immunoglobulin Variants

NUMBER OF SEQUENCES: 48

CORRESPONDENCE ADDRESS:

ADDRESS: Genentech, Inc.

STREET: 1 DNA Way

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Winpatin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/934,373C

FILING DATE: 21-Aug-1992

CLASSIFICATION: 530

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/US92/05126

FILING DATE: 15-JUN-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/715272

FILING DATE: 14-JUN-1991

ATTORNEY/AGENT INFORMATION:

NAME: Lee, Wendy M.

REGISTRATION NUMBER: 40,378

REFERENCE/DOCKET NUMBER: P0709P2

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650/225-1994

TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 22:

SEQUENCE CHARACTERISTICS:

LENGTH: 454 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

US-07-934-373C-22

Query Match 85.9%; Score 2161.5; DB 2; Length 454;

Best Local Similarity 89.4%; Pred. No. 4.3e-154;

Matches 406; Conservative 17; Mismatches 28; Indels 3; Gaps 1;

QY 20 QVQLVQSGAEVKKRQASGVYSKASGYTFTSYMMQWYKQAPGQGLEMDGIDSDSTNY 79

Db 1 QVQLVQSGAEVKKRQASGVYSKASGYTFTSYMMQWYKQAPGQGLEMDGIDSDSTNY 79

QY 80 NQFKGKATLTDSTSTAYMELSLSRSEDTAVYYCARNDYSNNW---YPDVWGQGLTV 136

Db 61 NQFMADKATLAVDSTSTAYMELSLSRSEDTAVYYCARNDYSNNW---YPDVWGQGLTV 120

QY 137 TVSSASTKGPVSFPLAPSSKTSSTGTAALGCLVNDYFPEPVTVSWNSGALTSVHTPEAV 196

Db 121 TVSSASTKGPVSFPLAPSSKTSSTGTAALGCLVNDYFPEPVTVSWNSGALTSVHTPEAV 180

QY 197 LQSSGLYSLSVTVPSSSLGTQTYICNVNHRKPSNTKYDKRVEPKSCDKTHTCPCPADP 256

Db 181 LQSSGLYSLSVTVPSSSLGTQTYICNVNHRKPSNTKYDKRVEPKSCDKTHTCPCPADP 240

QY 257 LGGPSVFLPPPKKDTLMSRTPEVTCVVVDVSHEDPEVKFNNYVYDGV EYHNAKTRPRE 316

Db 241 LGGPSVFLPPPKKDTLMSRTPEVTCVVVDVSHEDPEVKFNNYVYDGV EYHNAKTRPRE 300

QY 317 EYHNAKTRPREEOVNSTYRVVSVLTVLHQMILNGEKYCKVSNKALPAPIETKTSKAGQPREPOVTLTP 376

Db 301 EYHNAKTRPREEOVNSTYRVVSVLTVLHQMILNGEKYCKVSNKALPAPIETKTSKAGQPREPOVTLTP 360

QY 377 SREEMTKNQVSLTCLVKGFYPSDIAVWESNNGQPENNYKTPPVLDSDGSFPLYSKLTVD 436

Db 361 SREEMTKNQVSLTCLVKGFYPSDIAVWESNNGQPENNYKTPPVLDSDGSFPLYSKLTVD 420

QY 437 KSRWQGNVFCSCVMHBALNHNTQKSLSLSPGK 470

Db 421 KSRWQGNVFCSCVMHEALHNHYTOKSLSPGK 454

RESULT 13

US-08-437-642B-22
Sequence 22, Application US/08437642B
Patent No. 6054297
GENERAL INFORMATION:
APPLICANT: Paul J. Carter
APPLICANT: Leonard G. Presta
TITLE OF INVENTION: Immunoglobulin Variants
NUMBER OF SEQUENCES: 47
CORRESPONDENCE ADDRESS:
ADDRESS: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/437,642B
FILING DATE: 09-May-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/934373
FILING DATE: 21-AUG-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/146206
FILING DATE: 17-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/05126
FILING DATE: 15-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/715272
FILING DATE: 14-JUN-1991
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER: 40,378
REFERENCE/DOCKET NUMBER: P0709P2C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1994
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 454 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-437-642B-22

Query Match 85.9%; Score 2161.5; DB 3; Length 454;
Best Local Similarity 89.4%; Pred. No. 4.3e-154;
Matches 406; Conservative 17; Mismatches 28; Indels 3; Gaps 1;

QY 20 QVQLVQSGAEVKKPKASVYKSCASGYTFSTYMQWVKQAPQGILEMNGEIDPSDSTNY 79
DB 1 QVQLVQSGPELVKPGASVKISCKTSGYTFTEYTHMMKQSHGKSLIEWIGFPPKKGSSSH 60
QY 80 NQKRGKATLVLDNSTSTAYMELSLRSEDPAYVYCAARNRYSNNW---YFDVWGQGLTV 136
DB 61 NQRMFDKATLAVDKSTSTAYMELSLRSEDPAYVYCAARNRGLNYGFDVRYFDVWGAGITV 120
QY 137 TVSSASTGSPVPLAPSSKSTSGGTALGCLVKDYFPEPVTVSNNGALTSGVTFPAV 196
DB 121 TVSSASTGSPVPLAPSSKSTSGGTALGCLVKDYFPEPVTVSNNGALTSGVTFPAV 180
QY 197 LQSSGLYSLSSVTVPSSSLGTYTICVNNHKSNTKVDKVEPKSCDKHTHTCPCPAPE 256

Db 181 LQSSGLYSLSSVTVPSSSLGTYTICVNNHKSNTKVDKVEPKSCDKHTHTCPCPAPE 240
QY 257 LGGSPVFLPPPKKDTLMISRTPEVTCVYVDVSHEDPEYKFNMYVDGVEVNAKTKPRE 316
DB 241 LGGSPVFLPPPKKDTLMISRTPEVTCVYVDVSHEDPEYKFNMYVDGVEVNAKTKPRE 300
QY 317 EQVNSTYRVVSVLTVLHQDWLNGEKYCKVSNKALPAPIKTTISKAGQPREPQVYTLPP 376
DB 301 EQVNSTYRVVSVLTVLHQDWLNGEKYCKVSNKALPAPIKTTISKAGQPREPQVYTLPP 360
QY 377 SREEMTKQVSLTCLVKGFPSPDIAYVWESNGQPENNYKTTTPVLDSDGFFLYSKLTV 436
DB 361 SREEMTKQVSLTCLVKGFPSPDIAYVWESNGQPENNYKTTTPVLDSDGFFLYSKLTV 420
QY 437 KSRWQGNVFCSCVMHEALHNHYTOKSLSPGK 470
DB 421 KSRWQGNVFCSCVMHEALHNHYTOKSLSPGK 454

RESULT 14

US-08-146-206C-22
Sequence 22, Application US/08146206C
Patent No. 6407213
GENERAL INFORMATION:
APPLICANT: Carter, Paul J.
APPLICANT: Presta, Leonard G.
TITLE OF INVENTION: Method for Making Humanized Antibodies
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESS: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/146,206C
FILING DATE: 17-No. 6407213-1993
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/715272
FILING DATE: 14-JUN-1991
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER: 40,378
REFERENCE/DOCKET NUMBER: P0709P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1994
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 454 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-146-206C-22

Query Match 85.9%; Score 2161.5; DB 4; Length 454;
Best Local Similarity 89.4%; Pred. No. 4.3e-154;
Matches 406; Conservative 17; Mismatches 28; Indels 3; Gaps 1;

QY 20 QVQLVQSGAEVKKPKASVYKSCASGYTFSTYMQWVKQAPQGILEMNGEIDPSDSTNY 79
DB 1 QVQLVQSGPELVKPGASVKISCKTSGYTFTEYTHMMKQSHGKSLIEWIGFPPKKGSSSH 60
QY 80 NQKRGKATLVLDNSTSTAYMELSLRSEDPAYVYCAARNRYSNNW---YFDVWGQGLTV 136
DB 61 NQRMFDKATLAVDKSTSTAYMELSLRSEDPAYVYCAARNRGLNYGFDVRYFDVWGAGITV 120

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QY 137 TVSSASTKGPSPVPLAPSSKSTSGTAAAGCLVNDYPPPEPVTVSMNSGALTSVHTFPVAV 196
DB 121 TVSSASTKGPSPVPLAPSSKSTSGTAAAGCLVNDYPPPEPVTVSMNSGALTSVHTFPVAV 180
QY 197 LQSSGLYSLSSVTVTPSSSLGTOTYICNVNHPKENTVDKVERKSCDKHTCCPCPAPE 256
DB 181 LQSSGLYSLSSVTVTPSSSLGTOTYICNVNHPKENTVDKVERKSCDKHTCCPCPAPE 240
QY 257 LGGPSVFLPPPKDITLMTSRTEPEVTCVVVDVSHEDPEVKFNNYVDSGEVHNAKTKPRE 316
DB 241 LGGPSVFLPPPKDITLMTSRTEPEVTCVVVDVSHEDPEVKFNNYVDSGEVHNAKTKPRE 300
QY 317 EQNSTYRNVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPP 376
DB 301 EQNSTYRNVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPP 360
QY 377 SREEMTNQVSLTCLVNGFYPSDIAVEMESNGQENNYKTTTPVLDSGSPFLYSKLTVD 436
DB 361 SREEMTNQVSLTCLVNGFYPSDIAVEMESNGQENNYKTTTPVLDSGSPFLYSKLTVD 420
QY 437 KSRWQGNVFSQVMHEALHNHYTOKSLSPGK 470
DB 421 KSRWQGNVFSQVMHEALHNHYTOKSLSPGK 454

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RESULT 15

PCT-US93-07832-22

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; Sequence 22: Application PC/TUS9307832
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; TITLE OF INVENTION: Immunoglobulin Variants
; NUMBER OF SEQUENCES: 40
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/07832
; FILING DATE: 19930820
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/715272
; FILING DATE: 14-JUN-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US92/05126
; FILING DATE: 15-JUN-1992
; APPLICATION DATA:
; APPLICATION NUMBER: 07/934373
; FILING DATE: 21-AUG-1992
; ATTORNEY/AGENT INFORMATION:
; NAME:
; REGISTRATION NUMBER:
; REFERENCE/DOCKET NUMBER: 709P2PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE:
; TELEFAX: 415/952-9881
; TELETYPE: 910/371-7168
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 454 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; PWT-US93-07832-22

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Query Match

85.9%; Score 2161.5; DB 5; Length 454;

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Best Local Similarity 89.4%; Pred. No. 4,36-154;
Matches 406; Conservative 17; Mismatches 28; Indels 3; Gaps 1;
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DB 1 QVQLVQSGAEVKKGQASKVKVSCKASGTFSTSYNQWVKQAPGQLEMMGELIDPSDSTINY 60
QY 80 NQKFKATLTVDPSTSTAAVMELSLRSEDPAAVYVCARNRDYSNNM--YFDVWQGGTLV 136
DB 61 NQKFKATLTVDPSTSTAAVMELSLRSEDPAAVYVCARNRDYSNNM--YFDVWQGGTLV 120
QY 137 TVSSASTKGPSPVPLAPSSKSTSGTAAAGCLVNDYPPPEPVTVSMNSGALTSVHTFPVAV 196
DB 121 TVSSASTKGPSPVPLAPSSKSTSGTAAAGCLVNDYPPPEPVTVSMNSGALTSVHTFPVAV 180
QY 197 LQSSGLYSLSSVTVTPSSSLGTOTYICNVNHPKENTVDKVERKSCDKHTCCPCPAPE 256
DB 181 LQSSGLYSLSSVTVTPSSSLGTOTYICNVNHPKENTVDKVERKSCDKHTCCPCPAPE 240
QY 257 LGGPSVFLPPPKDITLMTSRTEPEVTCVVVDVSHEDPEVKFNNYVDSGEVHNAKTKPRE 316
DB 241 LGGPSVFLPPPKDITLMTSRTEPEVTCVVVDVSHEDPEVKFNNYVDSGEVHNAKTKPRE 300
QY 317 EQNSTYRNVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPP 376
DB 301 EQNSTYRNVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPP 360
QY 377 SREEMTNQVSLTCLVNGFYPSDIAVEMESNGQENNYKTTTPVLDSGSPFLYSKLTVD 436
DB 361 SREEMTNQVSLTCLVNGFYPSDIAVEMESNGQENNYKTTTPVLDSGSPFLYSKLTVD 420
QY 437 KSRWQGNVFSQVMHEALHNHYTOKSLSPGK 470
DB 421 KSRWQGNVFSQVMHEALHNHYTOKSLSPGK 454

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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: February 20, 2004, 13:31:02 ; Search time 35.6422 Seconds
(without alignments)
2761.047 Million cell updates/sec

Title: US-09-499-662-143

Perfect score: 2517
Sequence: 1 MGMSCTILFLVATATGVHSQ.....MHKALHNHYTKSLSPGK 470

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 801455 seqs, 209382283 residues

Total number of hits satisfying chosen parameters: 801455

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

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Published Applications AA:*
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2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*
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12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep:*
13: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep:*
14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*
15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*
16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*
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18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2517	100.0	470	US-10-384-933-143	Sequence 143, App
2	2517	100.0	470	US-10-216-484-143	Sequence 143, App
3	2515	99.9	470	US-10-384-933-145	Sequence 145, App
4	2515	99.9	470	US-10-216-484-145	Sequence 145, App
5	2514	99.9	470	US-10-384-933-117	Sequence 117, App
6	2514	99.9	470	US-10-384-933-147	Sequence 147, App
7	2514	99.9	470	US-10-216-484-117	Sequence 117, App
8	2514	99.9	470	US-10-216-484-147	Sequence 147, App
9	2501	99.4	470	US-10-384-933-89	Sequence 89, App
10	2501	99.4	470	US-10-216-484-89	Sequence 89, App
11	2495	99.1	470	US-10-384-933-157	Sequence 157, App
12	2495	99.1	470	US-10-216-484-157	Sequence 157, App
13	2346.5	93.2	731	US-09-825-012-46	Sequence 46, App
14	2346.5	93.2	741	US-09-825-012-55	Sequence 55, App
15	2341.5	93.0	729	US-09-825-012-52	Sequence 52, App

16	2341.5	93.0	739	10	US-09-825-012-61	Sequence 61, App
17	2335.5	92.8	730	10	US-09-825-012-49	Sequence 49, App
18	2335.5	92.8	740	10	US-09-825-012-58	Sequence 58, App
19	2288.5	90.9	469	12	US-10-377-121-18	Sequence 18, App
20	2288.5	90.9	469	12	US-10-377-121-22	Sequence 22, App
21	2283.5	90.7	469	12	US-10-377-121-22	Sequence 22, App
22	2264	89.9	476	12	US-10-225-108A-16	Sequence 16, App
23	2258.5	89.9	476	12	US-10-461-148-9	Sequence 9, App
24	2258.5	89.7	467	12	US-10-353-708-41	Sequence 41, App
25	2258.5	89.7	467	12	US-10-353-708-47	Sequence 47, App
26	2258.5	89.7	467	12	US-10-353-708-59	Sequence 59, App
27	2258.5	89.7	467	15	US-10-171-452A-41	Sequence 41, App
28	2258.5	89.7	467	15	US-10-171-452A-47	Sequence 47, App
29	2255.5	89.6	467	12	US-10-353-708-53	Sequence 53, App
30	2255.5	89.6	467	15	US-10-171-452A-53	Sequence 53, App
31	2255	89.6	472	12	US-10-159-006-43	Sequence 43, App
32	2255	89.6	476	10	US-09-747-669-3	Sequence 3, App
33	2255	89.6	476	15	US-10-290-703-3	Sequence 3, App
34	2238.5	88.9	448	12	US-10-378-567-2	Sequence 2, App
35	2226	88.4	448	12	US-10-409-938-15	Sequence 15, App
36	2225.5	88.4	448	12	US-10-353-708-48	Sequence 48, App
37	2225.5	88.4	448	12	US-10-353-708-60	Sequence 60, App
38	2225.5	88.4	448	15	US-10-171-452A-48	Sequence 48, App
39	2225.5	88.4	448	15	US-10-171-452A-60	Sequence 60, App
40	2225.5	88.4	489	12	US-10-104-047-3329	Sequence 3329, App
41	2222.5	88.3	448	12	US-10-353-708-42	Sequence 42, App
42	2222.5	88.3	448	12	US-10-353-708-54	Sequence 54, App
43	2222.5	88.3	448	15	US-10-171-452A-42	Sequence 42, App
44	2222.5	88.3	448	15	US-10-171-452A-54	Sequence 54, App
45	2209.5	87.8	477	12	US-10-108-260A-4289	Sequence 4289, App

ALIGNMENTS

RESULT 1
US-10-384-933-143
; Sequence 143, Application US/10384933
; Publication No. US20030170817A1
GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Harizawa, Hideyuki
; APPLICANT: Nakahara, Keori
; APPLICANT: Tamaki, Ikuo
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIR/HG
; CURRENT APPLICATION NUMBER: US/10/384, 933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499, 662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 143
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-143
Query Match 100.0%; (Score 2517; DB 12; Length 470;
Best Local Similarity 100.0%; Pred. No. 4.6e-166;
Matches 470; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Cy 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPQASVKSGVSTYSMMQVKKAP 60
Db 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPQASVKSGVSTYSMMQVKKAP 60
Cy 61 GQGLNNGEIDPSSTYNQKFKGKATLTVDTSTAYMELSLRSEDITVYVYCARRD 120
|||||

Db 61 GGGLEMMGEIDPSSTYNNOKFKGKATLTVDTSTSTAYMELSLRSEDPAVYYCARRD 120
Qy 121 YSNMWFDVWQGLTVTVSSASTKGPVFPPLAPSSKSTSGGTALGCLVXDYFPEPVTS 180
Db 121 YSNMWFDVWQGLTVTVSSASTKGPVFPPLAPSSKSTSGGTALGCLVXDYFPEPVTS 180
Qy 181 WNSGALTSVHTFPVAVLQSSGLYSLSVTVTPSSSLGTQTYICVNNHKPSTKVDKVEP 240
Db 181 WNSGALTSVHTFPVAVLQSSGLYSLSVTVTPSSSLGTQTYICVNNHKPSTKVDKVEP 240
Qy 241 KSCDKHTCPCPAPBELLGSPVFLFPKPKDMLMISRTPEVTCVVDVSHEDBEVKNW 300
Db 241 KSCDKHTCPCPAPBELLGSPVFLFPKPKDMLMISRTPEVTCVVDVSHEDBEVKNW 300
Qy 301 YVDGEVHNAAKTKREEQNSTYRVSVTLVTLHODMLNGEKYKCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNAAKTKREEQNSTYRVSVTLVTLHODMLNGEKYKCKVSNKALPAPIEKTIS 360
Qy 361 KAKQPREPOVYTLPPREEMTKNQVSLTCLVKGFPESDIAVEMESNGQPENNYKTPPV 420
Db 361 KAKQPREPOVYTLPPREEMTKNQVSLTCLVKGFPESDIAVEMESNGQPENNYKTPPV 420
Qy 421 LDSGSEFLLYSKLTVDKSRWQGNVFCSCVMEALHNHTYOKSLISLSPGK 470
Db 421 LDSGSEFLLYSKLTVDKSRWQGNVFCSCVMEALHNHTYOKSLISLSPGK 470

RESULT 2

US-10-216-484-143
Sequence 143, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuo
APPLICANT: Takahashi, Ikuo
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 143
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-143

Query Match 100.0%; Score 2517; DB 15; Length 470;
Best Local Similarity 100.0%; Pred. No. 4.6e-166;
Matches 470; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MGSACILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGTTSTYMQWVQAP 60
Db 1 MGSACILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGTTSTYMQWVQAP 60
Qy 61 GGGLEMMGEIDPSSTYNNOKFKGKATLTVDTSTSTAYMELSLRSEDPAVYYCARRD 120
Db 61 GGGLEMMGEIDPSSTYNNOKFKGKATLTVDTSTSTAYMELSLRSEDPAVYYCARRD 120
Qy 121 YSNMWFDVWQGLTVTVSSASTKGPVFPPLAPSSKSTSGGTALGCLVXDYFPEPVTS 180
Db 121 YSNMWFDVWQGLTVTVSSASTKGPVFPPLAPSSKSTSGGTALGCLVXDYFPEPVTS 180
Qy 181 WNSGALTSVHTFPVAVLQSSGLYSLSVTVTPSSSLGTQTYICVNNHKPSTKVDKVEP 240
Db 181 WNSGALTSVHTFPVAVLQSSGLYSLSVTVTPSSSLGTQTYICVNNHKPSTKVDKVEP 240

Db 181 WNSGALTSVHTFPVAVLQSSGLYSLSVTVTPSSSLGTQTYICVNNHKPSTKVDKVEP 240
Qy 241 KSCDKHTCPCPAPBELLGSPVFLFPKPKDMLMISRTPEVTCVVDVSHEDBEVKNW 300
Db 241 KSCDKHTCPCPAPBELLGSPVFLFPKPKDMLMISRTPEVTCVVDVSHEDBEVKNW 300
Qy 301 YVDGEVHNAAKTKREEQNSTYRVSVTLVTLHODMLNGEKYKCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNAAKTKREEQNSTYRVSVTLVTLHODMLNGEKYKCKVSNKALPAPIEKTIS 360
Qy 361 KAKQPREPOVYTLPPREEMTKNQVSLTCLVKGFPESDIAVEMESNGQPENNYKTPPV 420
Db 361 KAKQPREPOVYTLPPREEMTKNQVSLTCLVKGFPESDIAVEMESNGQPENNYKTPPV 420
Qy 421 LDSGSEFLLYSKLTVDKSRWQGNVFCSCVMEALHNHTYOKSLISLSPGK 470
Db 421 LDSGSEFLLYSKLTVDKSRWQGNVFCSCVMEALHNHTYOKSLISLSPGK 470

RESULT 3

US-10-384-933-145
Sequence 145, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuo
APPLICANT: Takahashi, Ikuo
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 145
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-145

Query Match 99.9%; Score 2515; DB 12; Length 470;
Best Local Similarity 99.8%; Pred. No. 6.3e-166;
Matches 469; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MGSACILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGTTSTYMQWVQAP 60
Db 1 MGSACILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGTTSTYMQWVQAP 60
Qy 61 GGGLEMMGEIDPSSTYNNOKFKGKATLTVDTSTSTAYMELSLRSEDPAVYYCARRD 120
Db 61 GGGLEMMGEIDPSSTYNNOKFKGKATLTVDTSTSTAYMELSLRSEDPAVYYCARRD 120
Qy 121 YSNMWFDVWQGLTVTVSSASTKGPVFPPLAPSSKSTSGGTALGCLVXDYFPEPVTS 180
Db 121 YSNMWFDVWQGLTVTVSSASTKGPVFPPLAPSSKSTSGGTALGCLVXDYFPEPVTS 180
Qy 181 WNSGALTSVHTFPVAVLQSSGLYSLSVTVTPSSSLGTQTYICVNNHKPSTKVDKVEP 240
Db 181 WNSGALTSVHTFPVAVLQSSGLYSLSVTVTPSSSLGTQTYICVNNHKPSTKVDKVEP 240
Qy 241 KSCDKHTCPCPAPBELLGSPVFLFPKPKDMLMISRTPEVTCVVDVSHEDBEVKNW 300
Db 241 KSCDKHTCPCPAPBELLGSPVFLFPKPKDMLMISRTPEVTCVVDVSHEDBEVKNW 300
Qy 301 YVDGEVHNAAKTKREEQNSTYRVSVTLVTLHODMLNGEKYKCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNAAKTKREEQNSTYRVSVTLVTLHODMLNGEKYKCKVSNKALPAPIEKTIS 360

Db 301 YVDGEVHNATKREBOYNSTRVSVLTVLHODMLNGKEYCKKVSNAKLPAPLEKTIIS 360
Qy 361 KAKQPREPOVYTLPPSRBEETKNQVSLTCLVKGPSPDIAVEMESNQPENNYKTPPV 420
Db 361 KAKQPREPOVYTLPPSRBEETKNQVSLTCLVKGPSPDIAVEMESNQPENNYKTPPV 420
Qy 421 LDSGSPFLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYTQKSLSLSPGK 470
Db 421 LDSGSPFLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYTQKSLSLSPGK 470

RESULT 4
US-10-216-484-145
; Sequence 145, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216, 484
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499, 662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053, 583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 145
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-145

Query Match 99.9%; Score 2515; DB 15; Length 470;
Best Local Similarity 99.8%; Pred. No. 6.3e-166;
Matches 469; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVKAP 60
Db 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVKAP 60
Qy 61 GQGLEMMGEIDPSSTYNNOKFQKATLTVDISTSTAYMELSLRSEDIAVYICARNRD 120
Db 61 GQGLEMMGEIDPSSTYNNOKFQKATLTVDISTSTAYMELSLRSEDIAVYICARNRD 120
Qy 121 YSNMWYFDVWGQGLTLVTVSSASTKGPVFLPAPSKSTSGGTALGCLVKDYFPEPTVVS 180
Db 121 YSNMWYFDVWGQGLTLVTVSSASTKGPVFLPAPSKSTSGGTALGCLVKDYFPEPTVVS 180
Qy 181 WNSGALTSQVTFPAVLQSSGLYSISVTVTPSSSLGTQTYICNVNHPKSTTKDKRVEP 240
Db 181 WNSGALTSQVTFPAVLQSSGLYSISVTVTPSSSLGTQTYICNVNHPKSTTKDKRVEP 240
Qy 241 KSCDKHTKPCPAPPELLIGPSVFLPPPKPDITLMISTRPEVTCVVDVSHEDDEVKFNW 300
Db 241 KSCDKHTKPCPAPPELLIGPSVFLPPPKPDITLMISTRPEVTCVVDVSHEDDEVKFNW 300
Qy 301 YVDGEVHNATKREBOYNSTRVSVLTVLHODMLNGKEYCKKVSNAKLPAPLEKTIIS 360
Db 301 YVDGEVHNATKREBOYNSTRVSVLTVLHODMLNGKEYCKKVSNAKLPAPLEKTIIS 360
Qy 361 KAKQPREPOVYTLPPSRBEETKNQVSLTCLVKGPSPDIAVEMESNQPENNYKTPPV 420
Db 361 KAKQPREPOVYTLPPSRBEETKNQVSLTCLVKGPSPDIAVEMESNQPENNYKTPPV 420
Qy 421 LDSGSPFLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYTQKSLSLSPGK 470
Db 421 LDSGSPFLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYTQKSLSLSPGK 470

Db 421 LDSGSPFLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYTQKSLSLSPGK 470

RESULT 5
US-10-384-933-117
; Sequence 117, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384, 933
; PRIOR FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499, 662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053, 583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 117
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-117

Query Match 99.9%; Score 2514; DB 12; Length 470;
Best Local Similarity 99.8%; Pred. No. 7.4e-166;
Matches 469; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVKAP 60
Db 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVKAP 60
Qy 61 GQGLEMMGEIDPSSTYNNOKFQKATLTVDISTSTAYMELSLRSEDIAVYICARNRD 120
Db 61 GQGLEMMGEIDPSSTYNNOKFQKATLTVDISTSTAYMELSLRSEDIAVYICARNRD 120
Qy 121 YSNMWYFDVWGQGLTLVTVSSASTKGPVFLPAPSKSTSGGTALGCLVKDYFPEPTVVS 180
Db 121 YSNMWYFDVWGQGLTLVTVSSASTKGPVFLPAPSKSTSGGTALGCLVKDYFPEPTVVS 180
Qy 181 WNSGALTSQVTFPAVLQSSGLYSISVTVTPSSSLGTQTYICNVNHPKSTTKDKRVEP 240
Db 181 WNSGALTSQVTFPAVLQSSGLYSISVTVTPSSSLGTQTYICNVNHPKSTTKDKRVEP 240
Qy 241 KSCDKHTKPCPAPPELLIGPSVFLPPPKPDITLMISTRPEVTCVVDVSHEDDEVKFNW 300
Db 241 KSCDKHTKPCPAPPELLIGPSVFLPPPKPDITLMISTRPEVTCVVDVSHEDDEVKFNW 300
Qy 301 YVDGEVHNATKREBOYNSTRVSVLTVLHODMLNGKEYCKKVSNAKLPAPLEKTIIS 360
Db 301 YVDGEVHNATKREBOYNSTRVSVLTVLHODMLNGKEYCKKVSNAKLPAPLEKTIIS 360
Qy 361 KAKQPREPOVYTLPPSRBEETKNQVSLTCLVKGPSPDIAVEMESNQPENNYKTPPV 420
Db 361 KAKQPREPOVYTLPPSRBEETKNQVSLTCLVKGPSPDIAVEMESNQPENNYKTPPV 420
Qy 421 LDSGSPFLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYTQKSLSLSPGK 470
Db 421 LDSGSPFLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYTQKSLSLSPGK 470

RESULT 6
US-10-384-933-147
; Sequence 147, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:

APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Hanyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 147
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
US-10-384-933-147

Query Match 99.9%; Score 2514; DB 12; Length 470;
Best Local Similarity 99.8%; Pred. No. 7.4e-166;
Matches 469; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGSCIIIFLVATATGVHSQVQLVQSGAEVKKPGASVYVSCASGYFTSYMMQWVQAP 60
DB 1 MGSCIIIFLVATATGVHSQVQLVQSGAEVKKPGASVYVSCASGYFTSYMMQWVQAP 60
QY 61 GQGLEMMGEIDPSDYNTYNOKEFGKATLTVDISTSTAYMELSLRSDTAIVYCARNRD 120
DB 61 GQGLEMMGEIDPSDYNTYNOKEFGKATLTVDISTSTAYMELSLRSDTAIVYCARNRD 120
QY 121 YSNMYFDVWGEGTLVTVSSASTKGPSPFLAPSSKSTSGTALGCLVNDYFPEPTVVS 180
DB 121 YSNMYFDVWGEGTLVTVSSASTKGPSPFLAPSSKSTSGTALGCLVNDYFPEPTVVS 180
QY 181 WNSGALTSGVTFPAVLQSSGLYSLSVTVTPSSLSGTQYICVNNHKPSNTKYDKVEP 240
DB 181 WNSGALTSGVTFPAVLQSSGLYSLSVTVTPSSLSGTQYICVNNHKPSNTKYDKVEP 240
QY 241 KSCDKHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNW 300
DB 241 KSCDKHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNW 300
QY 301 YVDGEVHNATKPREEOYNSTRVSVLTGLHQMNLNGEKYCKVSNKALPAPIEKTIS 360
DB 301 YVDGEVHNATKPREEOYNSTRVSVLTGLHQMNLNGEKYCKVSNKALPAPIEKTIS 360
QY 361 KAKQPREPQYVTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTPPV 420
DB 361 KAKQPREPQYVTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTPPV 420
QY 421 LDSGSEFLYSKLTVDKSRMQQGNVFCSVHREALHNHYTQKSLSLSPGK 470
DB 421 LDSGSEFLYSKLTVDKSRMQQGNVFCSVHREALHNHYTQKSLSLSPGK 470

RESULT 7
US-10-216-484-117
Sequence 117, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Hanyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484

CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 117
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
US-10-216-484-117

Query Match 99.9%; Score 2514; DB 15; Length 470;
Best Local Similarity 99.8%; Pred. No. 7.4e-166;
Matches 469; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGSCIIIFLVATATGVHSQVQLVQSGAEVKKPGASVYVSCASGYFTSYMMQWVQAP 60
DB 1 MGSCIIIFLVATATGVHSQVQLVQSGAEVKKPGASVYVSCASGYFTSYMMQWVQAP 60
QY 61 GQGLEMMGEIDPSDYNTYNOKEFGKATLTVDISTSTAYMELSLRSDTAIVYCARNRD 120
DB 61 GQGLEMMGEIDPSDYNTYNOKEFGKATLTVDISTSTAYMELSLRSDTAIVYCARNRD 120
QY 121 YSNMYFDVWGEGTLVTVSSASTKGPSPFLAPSSKSTSGTALGCLVNDYFPEPTVVS 180
DB 121 YSNMYFDVWGEGTLVTVSSASTKGPSPFLAPSSKSTSGTALGCLVNDYFPEPTVVS 180
QY 181 WNSGALTSGVTFPAVLQSSGLYSLSVTVTPSSLSGTQYICVNNHKPSNTKYDKVEP 240
DB 181 WNSGALTSGVTFPAVLQSSGLYSLSVTVTPSSLSGTQYICVNNHKPSNTKYDKVEP 240
QY 241 KSCDKHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNW 300
DB 241 KSCDKHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNW 300
QY 301 YVDGEVHNATKPREEOYNSTRVSVLTGLHQMNLNGEKYCKVSNKALPAPIEKTIS 360
DB 301 YVDGEVHNATKPREEOYNSTRVSVLTGLHQMNLNGEKYCKVSNKALPAPIEKTIS 360
QY 361 KAKQPREPQYVTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTPPV 420
DB 361 KAKQPREPQYVTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTPPV 420
QY 421 LDSGSEFLYSKLTVDKSRMQQGNVFCSVHREALHNHYTQKSLSLSPGK 470
DB 421 LDSGSEFLYSKLTVDKSRMQQGNVFCSVHREALHNHYTQKSLSLSPGK 470

RESULT 8
US-10-216-484-147
Sequence 147, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Hanyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 147
LENGTH: 470

TYPE: PRT
ORGANISM: Artificial Sequence
FEATURES:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
US-10-216-484-147

Query Match 99.4%; Score 2514; DB 15; Length 470;
Best Local Similarity 99.4%; Pred. No. 7,4e-165;
Matches 469; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGWSCIILFLVATATGVHSQVQLVQSGAEVKKPGASVYSCKASGYTFTSYMMQWVQAP 60
DB 1 MGWSCIILFLVATATGVHSQVQLVQSGAEVKKPGASVYSCKASGYTFTSYMMQWVQAP 60
QY 61 GQGLEMMGEIDPSSTYNNQKFKGKATLTVDTSTSTAYMELSLRSEDYAVYYCARNRD 120
DB 61 GQGLEMMGEIDPSSTYNNQKFKGKATLTVDTSTSTAYMELSLRSEDYAVYYCARNRD 120
QY 121 YSNMWFDPWQGLTVTVSSASTKGPVFPPLAPSSKSTSGGTAALGCLVKDYFPEPTVVS 180
DB 121 YSNMWFDPWQGLTVTVSSASTKGPVFPPLAPSSKSTSGGTAALGCLVKDYFPEPTVVS 180
QY 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTPSSSLGTQYICNVNHPKSTKVDKREVP 240
DB 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTPSSSLGTQYICNVNHPKSTKVDKREVP 240
QY 241 KSCDKHTCPCPAPPELLIGPSVFLPPPKPDOTLMISRTPEYTCVVDVSHEDPEVKFNW 300
DB 241 KSCDKHTCPCPAPPELLIGPSVFLPPPKPDOTLMISRTPEYTCVVDVSHEDPEVKFNW 300
QY 301 YVDGEVHNAKTKRBEQYNSTYRVSVLTVLDQDLNGKEYKKCKVSNKALPAPIEKTIS 360
DB 301 YVDGEVHNAKTKRBEQYNSTYRVSVLTVLDQDLNGKEYKKCKVSNKALPAPIEKTIS 360
QY 361 KAKQPREPQYVTLPPSRHEMTKNQVSLTCLVKGPFSDDIVEMESNQPENNYKTTTPV 420
DB 361 KAKQPREPQYVTLPPSRHEMTKNQVSLTCLVKGPFSDDIVEMESNQPENNYKTTTPV 420
QY 421 LDSGSPFLYSKLTVDKSRMQQGNVFCSCVMHEALHNHYTOKSLSLSPGK 470
DB 421 LDSGSPFLYSKLTVDKSRMQQGNVFCSCVMHEALHNHYTOKSLSLSPGK 470

RESULT 9
US-10-384-933-89
Sequence 89, Application US/10384933
Publication No. US20030170817A1

GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Takahara, Kaori
APPLICANT: Takashi, Ikuko
APPLICANT: Takashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165

SEQ ID NO 89
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURES:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-89

Query Match 99.4%; Score 2501; DB 12; Length 470;

Best Local Similarity 99.4%; Pred. No. 5.9e-165;
Matches 467; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGWSCIILFLVATATGVHSQVQLVQSGAEVKKPGASVYSCKASGYTFTSYMMQWVQAP 60
DB 1 MGWSCIILFLVATATGVHSQVQLVQSGAEVKKPGASVYSCKASGYTFTSYMMQWVQAP 60
QY 61 GQGLEMMGEIDPSSTYNNQKFKGKATLTVDTSTSTAYMELSLRSEDYAVYYCARNRD 120
DB 61 GQGLEMMGEIDPSSTYNNQKFKGKATLTVDTSTSTAYMELSLRSEDYAVYYCARNRD 120
QY 121 YSNMWFDPWQGLTVTVSSASTKGPVFPPLAPSSKSTSGGTAALGCLVKDYFPEPTVVS 180
DB 121 YSNMWFDPWQGLTVTVSSASTKGPVFPPLAPSSKSTSGGTAALGCLVKDYFPEPTVVS 180
QY 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTPSSSLGTQYICNVNHPKSTKVDKREVP 240
DB 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTPSSSLGTQYICNVNHPKSTKVDKREVP 240
QY 241 KSCDKHTCPCPAPPELLIGPSVFLPPPKPDOTLMISRTPEYTCVVDVSHEDPEVKFNW 300
DB 241 KSCDKHTCPCPAPPELLIGPSVFLPPPKPDOTLMISRTPEYTCVVDVSHEDPEVKFNW 300
QY 301 YVDGEVHNAKTKRBEQYNSTYRVSVLTVLDQDLNGKEYKKCKVSNKALPAPIEKTIS 360
DB 301 YVDGEVHNAKTKRBEQYNSTYRVSVLTVLDQDLNGKEYKKCKVSNKALPAPIEKTIS 360
QY 361 KAKQPREPQYVTLPPSRHEMTKNQVSLTCLVKGPFSDDIVEMESNQPENNYKTTTPV 420
DB 361 KAKQPREPQYVTLPPSRHEMTKNQVSLTCLVKGPFSDDIVEMESNQPENNYKTTTPV 420
QY 421 LDSGSPFLYSKLTVDKSRMQQGNVFCSCVMHEALHNHYTOKSLSLSPGK 470
DB 421 LDSGSPFLYSKLTVDKSRMQQGNVFCSCVMHEALHNHYTOKSLSLSPGK 470

RESULT 10
US-10-216-484-89
Sequence 89, Application US/10216484
Publication No. US20030103976A1

GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Takahara, Kaori
APPLICANT: Takashi, Ikuko
APPLICANT: Takashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165

SEQ ID NO 89
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURES:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-89

Query Match 99.4%; Score 2501; DB 15; Length 470;
Best Local Similarity 99.4%; Pred. No. 5.9e-165;
Matches 467; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGWSCIILFLVATATGVHSQVQLVQSGAEVKKPGASVYSCKASGYTFTSYMMQWVQAP 60
DB 1 MGWSCIILFLVATATGVHSQVQLVQSGAEVKKPGASVYSCKASGYTFTSYMMQWVQAP 60
QY 61 GQGLEMMGEIDPSSTYNNQKFKGKATLTVDTSTSTAYMELSLRSEDYAVYYCARNRD 120

Db 61 GORLEMMGEIDPSSTYNNQKFKGKATLTVDTASTAYMELSLRSBDTAVVYCARND 120
Qy 121 YSNMMYFVWOGGTLVTVSSASTKGSVPFLAPSSKSTSGGTAALGCLVKDYFPEPVVVS 180
Db 121 YSNMMYFVWOGGTLVTVSSASTKGSVPFLAPSSKSTSGGTAALGCLVKDYFPEPVVVS 180
Qy 181 WNSGALTSVGHVTFPAVLQSSGLYSLSSVTVVPSSSLGTQTYICVNNHKPSNTKVDKVEP 240
Db 181 WNSGALTSVGHVTFPAVLQSSGLYSLSSVTVVPSSSLGTQTYICVNNHKPSNTKVDKVEP 240
Qy 241 KSCDKHTCPCPAPELLGGPSVFLFPPKPKDTLMIISTRTPEVTCVAVVDSHEDPEVFNW 300
Db 241 KSCDKHTCPCPAPELLGGPSVFLFPPKPKDTLMIISTRTPEVTCVAVVDSHEDPEVFNW 300
Qy 301 YVDGEVHNAAKTKPREBOYNSTYRVSVLTVLHODMNLGKEYKCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNAAKTKPREBOYNSTYRVSVLTVLHODMNLGKEYKCKVSNKALPAPIEKTIS 360
Qy 361 KAKGQPREPPQVYTLPPSRREEMTKNOVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTPPV 420
Db 361 KAKGQPREPPQVYTLPPSRREEMTKNOVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTPPV 420
Qy 421 LDSGSEFPLYSKLTVDKSRMQQGNVFSCSVMHEALHNHYTQKSLSLSPGK 470
Db 421 LDSGSEFPLYSKLTVDKSRMQQGNVFSCSVMHEALHNHYTQKSLSLSPGK 470

RESULT 11
US-10-384-933-157
; Sequence 157, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT FILING DATE: 2003-02-05
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: EARLIER APPLICATION NUMBER: US 09/053,583
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 157
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed
; OTHER INFORMATION: heavy chain of humanized anti-Fas antibody
US-10-384-933-157

Query Match 99.1%; Score 2495; DB 12; Length 470;
Best Local Similarity 98.7%; Pred. No. 1.5e-164;
Matches 464; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

Qy 1 MGWSCIIIFLVAATAGVHSQVQVLOVSGAEVKKPKGASVYSCASGYTFTSYMMQWVKQAP 60
Db 1 MGWSCIIIFLVAATAGVHSQVQVLOVSGAEVKKPKGASVYSCASGYTFTSYMMQWVKQAP 60
Qy 61 GGGLEMMGEIDPSSTYNNQKFKGKATLTVDTSTAYMELSLRSBDTAVVYCARND 120
Db 61 GGGLEMMGEIDPSSTYNNQKFKGKATLTVDTSTAYMELSLRSBDTAVVYCARND 120
Qy 121 YSNMMYFVWOGGTLVTVSSASTKGSVPFLAPSSKSTSGGTAALGCLVKDYFPEPVVVS 180
Db 121 YSNMMYFVWOGGTLVTVSSASTKGSVPFLAPSSKSTSGGTAALGCLVKDYFPEPVVVS 180
Qy 181 WNSGALTSVGHVTFPAVLQSSGLYSLSSVTVVPSSSLGTQTYICVNNHKPSNTKVDKVEP 240

Db 181 WNSGALTSVGHVTFPAVLQSSGLYSLSSVTVVPSSSLGTQTYICVNNHKPSNTKVDKVEP 240
Qy 241 KSCDKHTCPCPAPELLGGPSVFLFPPKPKDTLMIISTRTPEVTCVAVVDSHEDPEVFNW 300
Db 241 KSCDKHTCPCPAPELLGGPSVFLFPPKPKDTLMIISTRTPEVTCVAVVDSHEDPEVFNW 300
Qy 301 YVDGEVHNAAKTKPREBOYNSTYRVSVLTVLHODMNLGKEYKCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNAAKTKPREBOYNSTYRVSVLTVLHODMNLGKEYKCKVSNKALPAPIEKTIS 360
Qy 361 KAKGQPREPPQVYTLPPSRREEMTKNOVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTPPV 420
Db 361 KAKGQPREPPQVYTLPPSRREEMTKNOVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTPPV 420
Qy 421 LDSGSEFPLYSKLTVDKSRMQQGNVFSCSVMHEALHNHYTQKSLSLSPGK 470
Db 421 LDSGSEFPLYSKLTVDKSRMQQGNVFSCSVMHEALHNHYTQKSLSLSPGK 470

RESULT 12
US-10-216-484-157
; Sequence 157, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT FILING DATE: 2002-08-09
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 157
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed
; OTHER INFORMATION: heavy chain of humanized anti-Fas antibody
US-10-216-484-157

Query Match 99.1%; Score 2495; DB 15; Length 470;
Best Local Similarity 98.7%; Pred. No. 1.5e-164;
Matches 464; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

Qy 1 MGWSCIIIFLVAATAGVHSQVQVLOVSGAEVKKPKGASVYSCASGYTFTSYMMQWVKQAP 60
Db 1 MGWSCIIIFLVAATAGVHSQVQVLOVSGAEVKKPKGASVYSCASGYTFTSYMMQWVKQAP 60
Qy 61 GGGLEMMGEIDPSSTYNNQKFKGKATLTVDTSTAYMELSLRSBDTAVVYCARND 120
Db 61 GGGLEMMGEIDPSSTYNNQKFKGKATLTVDTSTAYMELSLRSBDTAVVYCARND 120
Qy 121 YSNMMYFVWOGGTLVTVSSASTKGSVPFLAPSSKSTSGGTAALGCLVKDYFPEPVVVS 180
Db 121 YSNMMYFVWOGGTLVTVSSASTKGSVPFLAPSSKSTSGGTAALGCLVKDYFPEPVVVS 180
Qy 181 WNSGALTSVGHVTFPAVLQSSGLYSLSSVTVVPSSSLGTQTYICVNNHKPSNTKVDKVEP 240
Db 181 WNSGALTSVGHVTFPAVLQSSGLYSLSSVTVVPSSSLGTQTYICVNNHKPSNTKVDKVEP 240
Qy 241 KSCDKHTCPCPAPELLGGPSVFLFPPKPKDTLMIISTRTPEVTCVAVVDSHEDPEVFNW 300
Db 241 KSCDKHTCPCPAPELLGGPSVFLFPPKPKDTLMIISTRTPEVTCVAVVDSHEDPEVFNW 300
Qy 301 YVDGEVHNAAKTKPREBOYNSTYRVSVLTVLHODMNLGKEYKCKVSNKALPAPIEKTIS 360

```
Db 301 YVDGEVHNAKTKREDOYNSTYRVSVLTJLHODMNGKCYKCVSNKALPAPIEKTIS 360
Qy 361 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGYPSDIAVEMESNQPENNYKTPPV 420
Db 361 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGYPSDIAVEMESNQPENNYKTPPV 420
Qy 421 LDSGSPFLYSKLTVDKSRMOQGNVFCSCVHMEALHNNHTYTKSLSLSPGK 470
Db 421 LDSGSPFLYSKLTVDKSRMOQGNVFCSCVHMEALHNNHTYTKSLSLSPGK 470
```

```
RESULT 13
US-09-825-012-46
; Sequence 46, Application US/09825012
; Patent No. US20020122798A1
; GENERAL INFORMATION:
; APPLICANT: Young, Robert
; TITLE OF INVENTION: Compounds for Targeting
; FILE REFERENCE: 43191-256808
; CURRENT APPLICATION NUMBER: US/09/825,012
; PRIOR FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: US 60/237,159
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: GB 0008049.9
; PRIOR FILING DATE: 2000-04-03
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 46
; LENGTH: 731
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Humanised HMFgl heavy chain - DNase I fusion
US-09-825-012-46
```

```
Query Match 93.2%; Score 2346.5; DB 10; Length 731;
Best Local Similarity 93.0%; Pred. No. 4,8e-154;
Matches 437; Conservative 20; Mismatches 10; Indels 3; Gaps 1;
```

```
Qy 1 MGMSCTILFLVATNGCHSQVQLVQSGAEVKKPGASVVSCKASGYTFTSYMMQVKAAP 60
Db 1 MGMSCTILFLVATNGCHSQVQLVQSGAEVKKPGASVVSCKASGYTFTSYMMQVKAAP 60
Qy 61 GQGLEWVGEILPGSNNSRYNKEPKGRVTVTDSTNTAIMESSLRSSEDTAVYYCARSD 120
Db 61 GQGLEWVGEILPGSNNSRYNKEPKGRVTVTDSTNTAIMESSLRSSEDTAVYYCARSD 120
Qy 121 YSNMWFEDVMQGTLLVTVSSASTKGPVFPPLAPSSKTSGGTAALGCLVKDYFPEPVVS 180
Db 121 YSNMWFEDVMQGTLLVTVSSASTKGPVFPPLAPSSKTSGGTAALGCLVKDYFPEPVVS 180
Qy 121 PA---WFAVMQGTLLVTVSSASTKGPVFPPLAPSSKTSGGTAALGCLVKDYFPEPVVS 177
Db 121 PA---WFAVMQGTLLVTVSSASTKGPVFPPLAPSSKTSGGTAALGCLVKDYFPEPVVS 177
Qy 181 WNSGALTSVGHTPPAVLQSSGLYSLSVTVVPSSSLGTQTYICVNNHSPSTKVDKVEP 240
Db 181 WNSGALTSVGHTPPAVLQSSGLYSLSVTVVPSSSLGTQTYICVNNHSPSTKVDKVEP 240
Qy 178 WNSGALTSVGHTPPAVLQSSGLYSLSVTVVPSSSLGTQTYICVNNHSPSTKVDKVEP 237
Db 178 WNSGALTSVGHTPPAVLQSSGLYSLSVTVVPSSSLGTQTYICVNNHSPSTKVDKVEP 237
Qy 241 KSCCKHTCPCPAPBELLGSPVFLPPPKPDITMISTPPEVTCVVDVSHEDPEVKFNW 300
Db 241 KSCCKHTCPCPAPBELLGSPVFLPPPKPDITMISTPPEVTCVVDVSHEDPEVKFNW 300
Qy 238 KSCCKHTCPCPAPBELLGSPVFLPPPKPDITMISTPPEVTCVVDVSHEDPEVKFNW 297
Db 238 KSCCKHTCPCPAPBELLGSPVFLPPPKPDITMISTPPEVTCVVDVSHEDPEVKFNW 297
Qy 301 YVDGEVHNAKTKREDOYNSTYRVSVLTJLHODMNGKCYKCVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNAKTKREDOYNSTYRVSVLTJLHODMNGKCYKCVSNKALPAPIEKTIS 360
Qy 361 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGYPSDIAVEMESNQPENNYKTPPV 420
Db 361 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGYPSDIAVEMESNQPENNYKTPPV 420
Qy 358 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGYPSDIAVEMESNQPENNYKTPPV 417
Db 358 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGYPSDIAVEMESNQPENNYKTPPV 417
Qy 421 LDSGSPFLYSKLTVDKSRMOQGNVFCSCVHMEALHNNHTYTKSLSLSPGK 470
Db 421 LDSGSPFLYSKLTVDKSRMOQGNVFCSCVHMEALHNNHTYTKSLSLSPGK 470
Qy 418 LDSGSPFLYSKLTVDKSRMOQGNVFCSCVHMEALHNNHTYTKSLSLSPGK 467
Db 418 LDSGSPFLYSKLTVDKSRMOQGNVFCSCVHMEALHNNHTYTKSLSLSPGK 467
```

```
RESULT 14
US-09-825-012-55
; Sequence 55, Application US/09825012
; Patent No. US20020122798A1
; GENERAL INFORMATION:
; APPLICANT: Young, Robert
; TITLE OF INVENTION: Compounds for Targeting
; FILE REFERENCE: 43191-256808
; CURRENT APPLICATION NUMBER: US/09/825,012
; PRIOR FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: US 60/237,159
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: GB 0008049.9
; PRIOR FILING DATE: 2000-04-03
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 55
; LENGTH: 741
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Humanised HMFgl heavy chain - DNase I fusion
US-09-825-012-55
```

```
Query Match 93.2%; Score 2346.5; DB 10; Length 741;
Best Local Similarity 93.0%; Pred. No. 4,9e-154;
Matches 437; Conservative 20; Mismatches 10; Indels 3; Gaps 1;
```

```
Qy 1 MGMSCTILFLVATNGCHSQVQLVQSGAEVKKPGASVVSCKASGYTFTSYMMQVKAAP 60
Db 1 MGMSCTILFLVATNGCHSQVQLVQSGAEVKKPGASVVSCKASGYTFTSYMMQVKAAP 60
Qy 61 GQGLEWVGEILPGSNNSRYNKEPKGRVTVTDSTNTAIMESSLRSSEDTAVYYCARSD 120
Db 61 GQGLEWVGEILPGSNNSRYNKEPKGRVTVTDSTNTAIMESSLRSSEDTAVYYCARSD 120
Qy 121 YSNMWFEDVMQGTLLVTVSSASTKGPVFPPLAPSSKTSGGTAALGCLVKDYFPEPVVS 180
Db 121 YSNMWFEDVMQGTLLVTVSSASTKGPVFPPLAPSSKTSGGTAALGCLVKDYFPEPVVS 180
Qy 121 PA---WFAVMQGTLLVTVSSASTKGPVFPPLAPSSKTSGGTAALGCLVKDYFPEPVVS 177
Db 121 PA---WFAVMQGTLLVTVSSASTKGPVFPPLAPSSKTSGGTAALGCLVKDYFPEPVVS 177
Qy 181 WNSGALTSVGHTPPAVLQSSGLYSLSVTVVPSSSLGTQTYICVNNHSPSTKVDKVEP 240
Db 181 WNSGALTSVGHTPPAVLQSSGLYSLSVTVVPSSSLGTQTYICVNNHSPSTKVDKVEP 240
Qy 178 WNSGALTSVGHTPPAVLQSSGLYSLSVTVVPSSSLGTQTYICVNNHSPSTKVDKVEP 237
Db 178 WNSGALTSVGHTPPAVLQSSGLYSLSVTVVPSSSLGTQTYICVNNHSPSTKVDKVEP 237
Qy 241 KSCCKHTCPCPAPBELLGSPVFLPPPKPDITMISTPPEVTCVVDVSHEDPEVKFNW 300
Db 241 KSCCKHTCPCPAPBELLGSPVFLPPPKPDITMISTPPEVTCVVDVSHEDPEVKFNW 300
Qy 238 KSCCKHTCPCPAPBELLGSPVFLPPPKPDITMISTPPEVTCVVDVSHEDPEVKFNW 297
Db 238 KSCCKHTCPCPAPBELLGSPVFLPPPKPDITMISTPPEVTCVVDVSHEDPEVKFNW 297
Qy 301 YVDGEVHNAKTKREDOYNSTYRVSVLTJLHODMNGKCYKCVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNAKTKREDOYNSTYRVSVLTJLHODMNGKCYKCVSNKALPAPIEKTIS 360
Qy 358 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGYPSDIAVEMESNQPENNYKTPPV 417
Db 358 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGYPSDIAVEMESNQPENNYKTPPV 417
Qy 421 LDSGSPFLYSKLTVDKSRMOQGNVFCSCVHMEALHNNHTYTKSLSLSPGK 470
Db 421 LDSGSPFLYSKLTVDKSRMOQGNVFCSCVHMEALHNNHTYTKSLSLSPGK 470
Qy 418 LDSGSPFLYSKLTVDKSRMOQGNVFCSCVHMEALHNNHTYTKSLSLSPGK 467
Db 418 LDSGSPFLYSKLTVDKSRMOQGNVFCSCVHMEALHNNHTYTKSLSLSPGK 467
```

```
RESULT 15
US-09-825-012-52
; Sequence 52, Application US/09825012
; Patent No. US20020122798A1
; GENERAL INFORMATION:
; APPLICANT: Young, Robert
; TITLE OF INVENTION: Compounds for Targeting
; FILE REFERENCE: 43191-256808
; CURRENT APPLICATION NUMBER: US/09/825,012
; PRIOR FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: US 60/237,159
```


; PRIOR APPLICATION NUMBER: GB 0008049.9
; PRIOR FILING DATE: 2000-04-03
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 52
; LENGTH: 729
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Humanised HMFgl heavy chain - DNase I fusion
US-09-825-012-52

Query Match 93.0%; Score 2341.5; DB 10; Length 729;
Best local Similarity 93.0%; Pred. No. 1.1e-153;
Matches 436; Conservative 20; Mismatches 10; Indels 3; Gaps 1;

QY 1 MGWSCIILFLVATATGVHGVOLVOSGAIVKPKGASVVSCKASGYTFTSYMMQWVKQAP 60
DB 1 MGWSCIILFLVATATGVHGVOLVOSGAIVKPKGASVVSCKASGYTFTSYMMQWVKQAP 60
QY 61 GQGLEMMGEIDPDSYTNVNOKFKGKATLVDTSTAYMEISLSRSEDVAVYYCARNRD 120
DB 61 GKGLEWVEEILPGSNNSRINKEFKGRVTVTDSTNTAYMEISLSRSEDVAVYYCARSDYD 120
QY 121 YSNMWFDPVWGQGLTVTVSSASTKGPVFLAPSSKSTSGGTALGCLVKDYFPEPTVS 180
DB 121 FA--WFAVMGQGLTVTVSSASTKGPVFLAPSSKSTSGGTALGCLVKDYFPEPTVS 177
QY 181 WNSGALISGVHTFPFVAVLQSSGLYSLSVTVVPSSSLGTQTYICNVNHRKPSNTKVDKVEP 240
DB 178 WNSGALISGVHTFPFVAVLQSSGLYSLSVTVVPSSSLGTQTYICNVNHRKPSNTKVDKVEP 237
QY 241 KSCDKHTCPCPAPAEELIGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
DB 238 KSCDKHTCPCPAPAEELIGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 297
QY 301 YVDGEVHNAAKTKPREEQYNSTTRVSVLTVLHODPLNGEKYCKVSNKALPAPIETIS 360
DB 298 YVDGEVHNAAKTKPREEQYNSTTRVSVLTVLHODPLNGEKYCKVSNKALPAPIETIS 357
QY 361 KAKGQPREPPQVYTLPPSRREEMTKNOVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPV 420
DB 358 KAKGQPREPPQVYTLPPSRDELTKNOVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPV 417
QY 421 LDSGSPFLYSKLTVDKSRMQQGNVFCSCVMHEALHNHYTQKSLSLSPG 469
DB 418 LDSGSPFLYSKLTVDKSRMQQGNVFCSCVMHEALHNHYTQKSLSLSPG 466

Search completed: February 20, 2004, 14:25:38
Job time : 36.6422 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: February 20, 2004, 13:23:52 ; Search time 15.5872 Seconds
(without alignments)
1275.794 Million cell updates/sec

Title: US-09-499-662-145
Perfect score: 2517
Sequence: 1 MGNMSTLFLVATATGVHSQ.....MHEALNHYTKSLSPK 470

Scoring table: BIOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/ptodata/1/1aa/5A.COMB.pep:*
2: /cgn2_6/ptodata/1/1aa/5B.COMB.pep:*
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4: /cgn2_6/ptodata/1/1aa/6B.COMB.pep:*
5: /cgn2_6/ptodata/1/1aa/6C.COMB.pep:*
6: /cgn2_6/ptodata/1/1aa/6D.COMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	* Query Match	Length	ID	Description
1	2253	89.5	472	US-09-301-593-43	Sequence 43, Appl
2	2232	88.7	476	US-08-378-939-10	Sequence 10, Appl
3	2230	88.6	449	US-08-458-516-13	Sequence 13, Appl
4	2200.5	87.4	467	US-09-049-672A-8	Sequence 8, Appl
5	2198.5	87.3	452	US-09-027-449-71	Sequence 71, Appl
6	2198.5	87.3	452	US-09-026-965-71	Sequence 71, Appl
7	2198.5	87.3	452	US-09-121-952A-71	Sequence 71, Appl
8	2198.5	87.3	452	US-09-234-340A-71	Sequence 71, Appl
9	2198	87.3	462	US-09-301-593-30	Sequence 30, Appl
10	2177	86.5	468	US-09-485-737B-67	Sequence 67, Appl
11	2177	86.5	711	US-09-485-737B-90	Sequence 90, Appl
12	2159.5	85.8	454	US-07-934-373C-22	Sequence 22, Appl
13	2159.5	85.8	454	US-08-437-642B-22	Sequence 22, Appl
14	2159.5	85.8	454	US-08-146-206C-22	Sequence 22, Appl
15	2159.5	85.8	454	PCT-US93-07832-22	Sequence 22, Appl
16	2158.5	85.8	453	US-09-301-593-18	Sequence 18, Appl
17	2146	85.3	472	US-08-793-450-8	Sequence 8, Appl
18	2126	84.5	451	US-08-887-352B-14	Sequence 14, Appl
19	2126	84.5	451	US-08-887-352B-16	Sequence 16, Appl
20	2126	84.5	451	US-08-466-151-65	Sequence 65, Appl
21	2126	84.5	451	US-09-109-207C-14	Sequence 14, Appl
22	2126	84.5	451	US-09-109-207C-16	Sequence 16, Appl
23	2126	84.5	451	US-09-296-005-14	Sequence 14, Appl
24	2126	84.5	451	US-09-296-005-16	Sequence 16, Appl
25	2123	84.3	478	US-08-487-550-8	Sequence 8, Appl
26	2123	84.3	478	US-09-526-098-8	Sequence 8, Appl
27	2118	84.1	451	US-08-887-352B-18	Sequence 18, Appl

28	2118	84.1	451	US-09-109-207C-18	Sequence 18, Appl
29	2118	84.1	451	US-09-282-505-2	Sequence 2, Appl
30	2118	84.1	451	US-09-054-255-2	Sequence 2, Appl
31	2118	84.1	451	US-09-296-005-18	Sequence 18, Appl
32	2118	84.1	451	US-09-282-846-2	Sequence 2, Appl
33	2118	84.1	451	US-09-680-145-2	Sequence 2, Appl
34	2107	83.7	453	US-08-466-151-8	Sequence 8, Appl
35	2107	83.7	453	US-08-466-163B-8	Sequence 8, Appl
36	2105.5	83.7	467	US-07-916-098A-45	Sequence 45, Appl
37	2104.5	83.6	449	US-09-679-397-2	Sequence 2, Appl
38	2104.5	83.6	449	US-09-680-148-2	Sequence 2, Appl
39	2104.5	83.6	449	US-09-304-465A-2	Sequence 2, Appl
40	2101.5	83.5	552	PCT-US93-07832-23	Sequence 23, Appl
41	2098.5	83.4	469	US-07-934-373C-23	Sequence 23, Appl
42	2098.5	83.4	469	US-08-437-642B-23	Sequence 23, Appl
43	2098.5	83.4	469	US-08-146-206C-23	Sequence 23, Appl
44	2096	83.3	451	US-09-247-352-3	Sequence 3, Appl
45	2096	83.3	451	US-09-466-635-3	Sequence 3, Appl

ALIGNMENTS

RESULT 1
US-09-301-593-43
Sequence 43, Application US/09301593A
Patent No. 6455577
GENERAL INFORMATION:
APPLICANT: Park, John E.
APPLICANT: Garin-Chesa, Pilar
APPLICANT: Bamberger, Uwe
APPLICANT: Leger, Olivier
APPLICANT: Salama, Jose W.
APPLICANT: Rettig, Wolfgang J.
TITLE OF INVENTION: RAP-specific Antibody with Improved Productibility
FILE REFERENCE: 0652.1890001
CURRENT APPLICATION NUMBER: US/09/301.593A
CURRENT FILING DATE: 1999-04-29
EARLIER APPLICATION NUMBER: EP 98107925.4
EARLIER FILING DATE: 1998-04-30
EARLIER APPLICATION NUMBER: US 60/086, 049
EARLIER FILING DATE: 1998-05-18
NUMBER OF SEQ ID NOS: 108
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 43
LENGTH: 472
TYPE: PRT
ORGANISM: Homo sapiens
US-09-301-593-43
Query Match 89.5%, Score 2253; DB 4; Length 472;
Best local similarity 90.3%; Pred. No. 1.1e-161;
Matches 427; Conservative 12; Mismatches 30; Indels 4; Gaps 2;
1 MGNMSTLFLVATATGVHSQVQLVQSGAEVKKPGASVVSCKASGVPFTSYMMQVKAQ 60
1 MDMWRFVCLAAVAPGAHQVQLVQSGAEVKKPGASVVSCKTRRYTFRTTHMVKAP 60
61 GQGLEWMEIDPSDYTVNKKFKGKATITVDSTSTAMELSLRSEDVAVYVCARRN- 119
61 GQRLWEMIGLIPNNKIPNNKFKGKATITVQKASSTAMELSLRSEDVAVYCARARI 120
120 --DYSNNMYFPVWCGITLVYSSASTGSPSIFPLAPSSKTSISGTAALGCIYKDYFPEV 177
121 AYVDEGHAMDYWGQGLTVYSS--STKGPSVFPLAPSSKTSISGTAALGCIYKDYFPEV 179
178 TVSNMNGALTSQVTFPAVLQSSGLYSSTVYTPSSSLGTQYICANNHKKPSNTKVDK 237
180 TVSNMNGALTSQVTFPAVLQSSGLYSSTVYTPSSSLGTQYICANNHKKPSNTKVDK 239
238 VEPKSCDKHTPCPCPAPELLGSPSVFLPPKPKDTLMISRTPEVTCVVDVSHEDPEVK 297
240 VEPKSCDKHTPCPCPAPELLGSPSVFLPPKPKDTLMISRTPEVTCVVDVSHEDPEVK 299

QY 298 FNMVVDGVEVNAKTKPREEOYNSTYRVSVLTVLHODMLNGKEYCKCKVSNKALPAP1EK 357
DB 300 FNMVVDGVEVNAKTKPREEOYNSTYRVSVLTVLHODMLNGKEYCKCKVSNKALPAP1EK 359
QY 358 TISAKGQPREPOVYTLTPSPREEMTKNOVSLTCLVKGPSPSDIAVEMESNQPENNYKT 417
DB 360 TISAKGQPREPOVYTLTPSPREEMTKNOVSLTCLVKGPSPSDIAVEMESNQPENNYKT 419
QY 418 PPVLDSDGSPFLYSKLTVDKSRMOQGNVFCSCVHMEALHNHYTKSLSPGK 470
DB 420 PPVLDSDGSPFLYSKLTVDKSRMOQGNVFCSCVHMEALHNHYTKSLSPGK 472

RESULT 2

US-08-378-939-10
Sequence 10, Application US/08378939
Patent No. 5876361
GENERAL INFORMATION:
APPLICANT: CROME, JAMES SCOTT
APPLICANT: LEWIS, ALAN PETER
TITLE OF INVENTION: PRODUCTION OF ANTIBODIES
NUMBER OF SEQUENCES: 46
CORRESPONDENCE ADDRESS:
ADDRESSEE: ROTHWELL, FIGG, ERNST & KURZ
STREET: 555 THIRTEENTH ST. N.W.
CITY: WASHINGTON
STATE: D. C.
COUNTRY: U.S.
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/378, 939
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/952640
FILING DATE: 01-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: ERNST, BARBARA G
REGISTRATION NUMBER: 30,377
REFERENCE/DOCKET NUMBER: 1808-118
TELEPHONE: (202) 783-6040
TELEFAX: (202) 783-6031
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 476 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-378-939-10

Query Match 88.7%; Score 2232; DB 2; Length 476;
Best Local Similarity 88.7%; Pred. No. 4,1e-160;

Matches 422; Conservative 20; Mismatches 28; Indels 6; Gaps 1;

QY 1 MGWSCIILFLVATATGVSQVQLVQSGAEVKKPGASVYSCKASGYTFTSYMMQWVQAP 60
DB 1 MDWTWRFLFVVAATAGVSQVQVQSGAEVKKPGASVYSCKASGYTFTSYVAISWRQAP 60
QY 61 GQGLEMMGEIDPSISYTNKQFKGKATITVDISTSTAYMELSSRSDDTVYTCARR- 119
DB 61 GQGLEMMGGIILPGTPTYSQNFQGRVYITADKSTSTAHMELTSLRSDDTVYTCADRY 120
QY 120 -----DYSNMVYFPVWGQGLTVTVSSASTKGSVPPLAPSSKTSKGTALGCLVKDYFP 174
DB 121 RQANFDRARVGMFPWGQGLTVTVSSASTKGSVPPLAPSSKTSKGTALGCLVKDYFP 180

QY 175 EPVTVMNSGALITGCHTFPAVLLOSSGLYSLSVYVTPSSSLGTQTYICNNHKSNTKV 234
DB 181 EPVTVMNSGALITGCHTFPAVLLOSSGLYSLSVYVTPSSSLGTQTYICNNHKSNTKV 240
QY 235 DKRVKPSCKDTHKCPCPAPAEILGSPVFLFPPKPKDTLMIISRTPEVTCVVVSHEDP 294
DB 241 DKRVKPSCKDTHKCPCPAPAEILGSPVFLFPPKPKDTLMIISRTPEVTCVVVSHEDP 300
QY 295 EVKENMYVDGVEVNAKTKPREEOYNSTYRVSVLTVLHODMLNGKEYCKCKVSNKALPAP 354
DB 301 EVKENMYVDGVEVNAKTKPREEOYNSTYRVSVLTVLHODMLNGKEYCKCKVSNKALPAP 360
QY 355 IEKTIKRAKQPREPOVYTLTPSPREEMTKNOVSLTCLVKGPSPSDIAVEMESNQPENNY 414
DB 361 IEKTIKRAKQPREPOVYTLTPSPREEMTKNOVSLTCLVKGPSPSDIAVEMESNQPENNY 420
QY 415 KTFPPVLDSDGSPFLYSKLTVDKSRMOQGNVFCSCVHMEALHNHYTKSLSPGK 470
DB 421 KTFPPVLDSDGSPFLYSKLTVDKSRMOQGNVFCSCVHMEALHNHYTKSLSPGK 476

RESULT 3

US-08-458-516-13
Sequence 13, Application US/08458516
Patent No. 5777085
GENERAL INFORMATION:
APPLICANT: Co, Man Sung
APPLICANT: Tso, J. Yun
TITLE OF INVENTION: Humanized Antibodies Reactive with
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: William M. Smith
STREET: One Market Plaza, Steuart Tower, Suite 2000
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/458, 516
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/059, 159
FILING DATE: 03-MAY-1993
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 11823-37-3
TELEPHONE: 415-326-2400
TELEFAX: 415-326-2422
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 449 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-458-516-13

Query Match 88.6%; Score 2230; DB 1; Length 449;
Best Local Similarity 92.9%; Pred. No. 5.4e-160;

Matches 419; Conservative 15; Mismatches 15; Indels 2; Gaps 2;

QY 20 QVQLVQSGAEVKKPGASVYSCKASGYTFTSYMMQWVQKAPGQGLEMMGEIDPSDYTN 79
DB 1 QVQLVQSGAEVKKPGASVYSCKASGYAFTNYILIEWRQAPGQGLEMMGIYIPSGSGTNY 60

QY 80 NOKPFGKATITVDTSTSTLYAMELSSLRSEDTAYYCABRRNDYNNMYFDVMGGTLVTS 139
 Db 61 NEKFKGRVTLITVDESTNTITAMELSSLRSEDTAYYFCAR-RDGNYGM-FATWGGTLVTS 118
 QY 140 SASITGSPVFPPLAPSSKSTSGGTALGCLVKDYFPPEPVTVSNNSGALLTSGVTHFPVALQS 199
 Db 119 SASITGSPVFPPLAPSSKSTSGGTALGCLVKDYFPPEPVTVSNNSGALLTSGVTHFPVALQS 178
 QY 200 SGLYSLSSVYVYVFPSSSLGTQYTI CNVNHKPSNTKVDKRAVEPKSCDKTHTCPCPAPALLG 255
 Db 179 SGLYSLSSVYVYVFPSSSLGTQYTI CNVNHKPSNTKVDKRAVEPKSCDKTHTCPCPAPALLG 238
 QY 260 GPSVFLPPPKPDOTLMISRTPEVTCVYVVDVSHEDPEVKFMVYVDGYEVHNAKTKPREQY 319
 Db 239 GPSVFLPPPKPDOTLMISRTPEVTCVYVVDVSHEDPEVKFMVYVDGYEVHNAKTKPREQY 298
 QY 330 NSTYEVSVLYTVLHODWLNQKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRE 379
 Db 259 NSTYEVSVLYTVLHODWLNQKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRE 358
 QY 380 EMTKIQVSVLTCLVKGFPSPDIAVEMESNGQPENNYKTPPVYLDSDGSFFLYSLKLYTDKSR 439
 Db 359 ELTKIQVSVLTCLVKGFPSPDIAVEMESNGQPENNYKTPPVYLDSDGSFFLYSLKLYTDKSR 418
 QY 440 WQGGVFPSCSVNHGALHNHYTOKSILSPGX 470
 Db 419 WQGGVFPSCSVNHGALHNHYTOKSILSPGX 449

RESULT 4
 US-09-049-672A-8
 Sequence 8, Application US/09049672A
 Patent No. 613941
 GENERAL INFORMATION:
 APPLICANT: Hillman, Jennifer L.
 APPLICANT: Lal, Preeti
 APPLICANT: Tang, Y. Tom
 APPLICANT: Yue, Henry
 APPLICANT: Au-Young, Janice
 APPLICANT: Corley, Neil C.
 APPLICANT: Guegler, Karl J.
 APPLICANT: Baughn, Mariah R.
 TITLE OF INVENTION: HUMAN IMMUNE SYSTEM ASSOCIATED PROTEINS
 NUMBER OF SEQUENCES: 28
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Incyte Pharmaceuticals, Inc.
 STREET: 3174 Porter Drive
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94304
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: PASTSEO for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/049,672A
 FILING DATE: HEREWITH
 CLASSIFICATION: 536
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Ceirone, Michael C
 REGISTRATION NUMBER: 39,132
 REFERENCE/DOCKET NUMBER: PF-0497 US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650-855-0555
 TELEFAX: 650-845-4166
 TELEX:
 INFORMATION FOR SEQ ID NO: 8:

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/      SEQUENCE CHARACTERISTICS:
/      LENGTH: 467 amino acids
/      TYPE: amino acid
/      STRANDEDNESS: single
/      TOPOLOGY: linear
/      IMMEDIATE SOURCE:
/      LIBRARY: LUNGTUT11
/      CLONE: 2747531
US-09-049-672A-8

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Query Match	87.4%	Score 2200.5;	DB 3;	Length 467;
Best Local Similarity	89.0%;	Pred. No. 9.4e-158;		
Matches 413; Conservative	20;	Mismatches 28;	Indels 3;	Gaps 1;

QY	7	ILFLVATLTVGHSOVOLVOSGAEYKKGASATYKSCSKJASGYFTSYMMOMVQOAGOGGLEW	66
Db	7	ILFLVAAATGTHAUVOLVOSGAEYKKGASATYKSCSKJASGYFTSYMMOMVQOAGOGGLEW	66
QY	67	MGEIDPSDSTYNNQKEFKGKATITVDISTSTAYMELSLNSEDATVYVYCARNDYSNNWY	126
Db	67	MGLGLAPENGEAVVYQKFLGRLTLLSEDTSSADTAYMFLNNLIGSESDAIYYCARQH---YDFF	123
QY	127	FDWVGOGGLTVVSSASSTKGPVSVEFLPABSXSTSGGTALGCLVMDYDPEPPTVSWNSGAL	186
Db	124	FDPMGOGMTVSVSSASTKGPVSVEFLPABSXSTSGGTALGCLVMDYDPEPPTVSWNSGAL	183
QY	187	TSGVHTPEAVLQSSGLSLYSLSVYVVPSSLSGTQYIICNVNHPKAPNTKVDKXVBEKSCDKT	246
Db	184	TSGVHTPEAVLQSSGLSLYSLSVYVVPSSLSGTQYIICNVNHPKAPNTKVDKXVBEKSCDKT	243
QY	247	HTCPPCPAPELLGGBSVFLFPFKPKDITLMSRTEBTVCVVVDVSHEDBEVGFNNYVDGYE	306
Db	244	HTCPPCPAPELLGGBSVFLFPFKPKDITLMSRTEBTVCVVVDVSHEDBEVGFNNYVDGYE	303
QY	307	VHNAKTKREBEQVNSTYRVVSVLVLYHODMPLNGEYKCKVSNKMLPAPIEKTISKAGOP	366
Db	304	VHNAKTKREBEQVNSTYRVVSVLVLYHODMPLNGEYKCKVSNKMLPAPIEKTISKAGOP	363
QY	367	REPQVYTLPSREEMTKNOVSLTCLVKGFPYSDIAVEMESNGOPENNYKTTTPVYLDSDGS	426
Db	364	REPQVYTLPSREEMTKNOVSLTCLVKGFPYSDIAVEMESNGOPENNYKTTTPVYLDSDGS	423
QY	427	FFLVSKLTVDSRWQGVNPSCSVMHNLNHNHYOKSLSPGK	470
Db	424	FFLVSKLTVDSRWQGVNPSCSVMHNLNHNHYOKSLSPGK	467

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1      RESULT 5
2      US-09-027-449-71
3      ; Sequence 71, Application US/09027449
4      ; Patent No. 6025158
5      ;
6      ; GENERAL INFORMATION:
7      ;
8      ; APPLICANT: Gonzalez, Tania R.
9      ; APPLICANT: Leong, Steven R.
10     ; APPLICANT: Presta, Leonard G.
11     ; TITLE OF INVENTION: Antibody Fragment-Polymer Conjugates and
12     ; TITLE OF INVENTION: Humanized Anti-IL-8 Monoclonal Antibodies
13     ; NUMBER OF SEQUENCES: 72
14     ;
15     ; CORRESPONDENCE ADDRESS:
16     ;
17     ; ADDRESSEE: Genentech, Inc.
18     ; STREET: 1 DNA Way
19     ; CITY: South San Francisco
20     ; STATE: California
21     ; COUNTRY: USA
22     ;
23     ; ZIP: 94080
24     ;
25     ; COMPUTER READABLE FORM:
26     ;
27     ; MEDIUM TYPE: 3.5 inch, 1.44 MB floppy disk
28     ; COMPUTER: IBM PC compatible
29     ; OPERATING SYSTEM: PC-DOS/MS-DOS
30     ; SOFTWARE: Winpatin (Genentech)
31     ;
32     ; CURRENT APPLICATION DATA:
33     ;
34     ; APPLICATION NUMBER: US/09/027,449
35     ; FILING DATE: 20-Feb-1998
36     ;

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1 CLASSIFICATION: 435
2 PRIOR APPLICATION DATA:
3 APPLICATION NUMBER: 60/074,330
4 FILING DATE: 22-Jan-1998
5 PRIOR APPLICATION DATA:
6 APPLICATION NUMBER: 60/038,664
7 FILING DATE: 21-Feb-1997
8 ATTORNEY/AGENT INFORMATION:
9 NAME: Love, Richard B.
10 REGISTRATION NUMBER: 34,659
11 REFERENCE/DOCKET NUMBER: P108SR3-2
12 TELECOMMUNICATION INFORMATION:
13 TELEPHONE: 650/225-5530
14 TELEFAX: 650/952-9881
15 INFORMATION FOR SRD ID NO: 71:
16 SEQUENCE CHARACTERISTICS:
17 LENGTH: 452 amino acids
18 TYPE: Amino Acid
19 TOPOLOGY: Linear
20

Query Match	87.3%	Score 219.5	DB 3	Length 452
Best Local Similarity	89.8%	Pred No. 1.3e-157		
Matches 406	Conservative 28	Mismatches 17	Indels 1	Gaps 1

Qy	20	IVOLVQSGAEVKKPKGASVAVS	CLASAYTETSVMQWKA	PGGLEWGEIDPSDYTN	79
		1	EVOLVQSGGLVQPGGSLRLSCA	SYSTRSSHHMVHVRQAPGKGL	60
Qy	80	NOKEFKGATITVDISTSTAYMEL	SHSESDTAVTYCAR	NRDYSNNMYEDVMQGLVTY	138
Db	61	NOKEFKGRTLSIDNSKNKTAYLO	MNISRADDTAVYCARGDYR	YNGCMFEPWOCGLVTY	120
Qy	139	SSASRKGSVPEPLABSSKTS	SGGTALGCLVMDPEPVT	VSNNGALTSGYHTPPAVLQ	198
Db	121	SSASRKGSVPEPLABSSKTS	GGTALGCLVMDPEPVT	VSNNGALTSGYHTPPAVLQ	180
Qy	199	SSGLTSLSSVWVVPSSSLGTQ	TYICMWNKPKSNTKDKRVE	PKSCDKTHCPCPAPELL	258
Db	181	SSGLTSLSSVWVVPSSSLGTQ	TYICMWNKPKSNTKDKRVE	PKSCDKTHCPCPAPELL	240
Qy	259	GGPSVFLPEPKKDTLMISRT	PEVTCVVVDVSHEDPEVK	AKNMYVDGVEYNATTKRREQ	318
Db	241	GGPSVFLPEPKKDTLMISRT	PEVTCVVVDVSHEDPEVK	AKNMYVDGVEYNATTKRREQ	300
Qy	319	YNSTRVAVSVLVTHODM	NGKEKCKYSNKALPAPI	EKTISSAKGQPREPOVYTLPPSR	378
Db	301	YNSTRVAVSVLVTHODM	NGKEKCKYSNKALPAPI	EKTISSAKGQPREPOVYTLPPSR	360
Qy	379	EMTNYOVSITGLVKGF	PSDIAVEMESNGQEPENNY	KTPRPVLVSDGSFFLYSKLTVDKS	438
Db	361	EMTNYOVSITGLVKGF	PSDIAVEMESNGQEPENNY	KTPRPVLVSDGSFFLYSKLTVDKS	420
Qy	439	RMQOGNVSFCSVMHEAL	NHNYTQKSLSPGK	470	
Db	421	RMQOGNVSFCSVMHEAL	NHNYTQKSLSPGK	452	

RESULT 6
US-09-026-985-71
Sequence 71, Application US/09026985
Patent No. 6133426
GENERAL INFORMATION: '
APPLICANT: Gonzalez, Tania R.
APPLICANT: Leong, Steven R.
APPLICANT: Presta, Leonard G.
TITLE OF INVENTION: Antibody Fragment-Polymer Conjugates and
TITLE OF INVENTION: Humanized Anti-IL-8 Monoclonal Antibodies
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco

```

? STATES: California
? COUNTRY: USA
? ZIP: 94080
? COMPUTER READABLE FORM:
? MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
? COMPUTER: IBM PC compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: Winpatin (Genentech)
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/09/026, 985
? FILING DATE: 20-Feb-1998
? CLASSIFICATION:
? ATTORNEY/AGENT INFORMATION:
? NAME: Love, Richard B.
? REGISTRATION NUMBER: 34,659
? REFERENCE/DOCKET NUMBER: PI1085R3-1
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: 650/225-5530
? TELEFAX: 650/952-9881
? INFORMATION FOR SEQ ID NO: 71:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 452 amino acids
? TYPE: Amino Acid
? TOPOLOGY: Linear
US-09-026-985-71

```

Query Match	87.3%;	Score 2198.5;	DB 3;	Length 452;
Best Local Similarity	89.8%;	Pred. No. 1.3e-157;		
Matches 406; Conservative	28;	Mismatches 17;	Indels 1;	Gaps 1;

[illegible]

RESULT 7
 US-09-121-952A-71
 ; Sequence 71, Application US/09121952A
 ; Patent No. 6458355
 ;
 ; GENERAL INFORMATION:
 ; APPLICANT: Genentech, Inc., Hsai, Vannessa
 ; APPLICANT: Koumatis, Iphigenia
 ; APPLICANT: Leong, Steven R.
 ; APPLICANT: Presta, Leonard G.
 ; APPLICANT: Shahrokhi, Zahra

APPLICANT: Zapata, Gerardo A.
TITLE OF INVENTION: METHODS OF TREATING INFLAMMATORY DISEASES
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/121,952A
CLASSIFICATION: 514
FILING DATE: 24-Jul-1998
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 60/074330
FILING DATE: 22-Jan-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/075467
FILING DATE: 20-Feb-1998
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P1085R4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 452 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-09-121-952A-71

Query Match 87.3%; Score 2198.5; DB 4; Length 452;
Best Local Similarity 89.8%; Pred. No. 1.3e-157;
Matches 406; Conservative 28; Mismatches 17; Indels 1; Gaps 1;

QY 20 QVQLVQSGAEVKKGASVKVSCKASGTFSTSYMMQWVQAQPGQLEWMGIEDPSDSTNY 79
DB 1 EVQLVQSGGGLVQPGGSLRLSCAASGYSFSSHYHWVRQAPGKLEWVGYPDPSNGETTY 60
QY 80 NQKFKGKATITVDSTSTAYMELSLRSEDTAVYYCAR-NRDYSNNMYFDVWGQGLTVTV 138
DB 61 NQKFKGRTLSRDNSKNTAYIQMNSLRADPTAVYYCARGDYRNGDWFDFVWGQGLTVTV 120
QY 139 SSASTKGSPVPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQ 198
DB 121 SSASTKGSPVPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQ 180
QY 199 SSGLYSLSSVTVVSSSLGTQTYICNVNPKSPNTKVDKRVKPSGCDKHTHCPAPPELL 258
DB 181 SSGLYSLSSVTVVSSSLGTQTYICNVNPKSPNTKVDKRVKPSGCDKHTHCPAPPELL 240
QY 259 GGPSPVLPFPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFWMYVDDGVENAHAKTFRREQ 318
DB 241 GGPSPVLPFPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFWMYVDDGVENAHAKTFRREQ 300
QY 319 YNSTYRVSVLTITLHQMNLNGEKYCKVSNALPAPIEKTIISKAKGQPREPQVYTLPPSR 378
DB 301 YNSTYRVSVLTITLHQMNLNGEKYCKVSNALPAPIEKTIISKAKGQPREPQVYTLPPSR 360
QY 379 EEMKKNQVSLTCLVKGFPSPDIAVWESNGQPENNYKTTPTPLSDSGSPFLYSKLTVDKS 438
DB 361 EEMKKNQVSLTCLVKGFPSPDIAVWESNGQPENNYKTTPTPLSDSGSPFLYSKLTVDKS 420
QY 439 RWOOGNVFSCSVMBEALHNHYTKSLSPGK 470

DB 421 RWOOGNVFSCSVMBEALHNHYTKSLSPGK 452

|||||
RESULT 8
US-09-234-340A-71
Sequence 71, Application US/09234340A
Patent No. 6468532
GENERAL INFORMATION:
APPLICANT: Genentech, Inc., Hsej, Vanessa
APPLICANT: Koumentis, Iphigenia
APPLICANT: Leong, Steven R.
APPLICANT: Presta, Leonard G.
APPLICANT: Shahrokh, Zahra
APPLICANT: Zapata, Gerardo A.
TITLE OF INVENTION: METHODS OF TREATING INFLAMMATORY DISEASES
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/234,340A
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/121,952
FILING DATE: 24-Jul-1998
APPLICATION NUMBER: 60/074330
FILING DATE: 22-Jan-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/075467
FILING DATE: 20-Feb-1998
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P1085R4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 452 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-09-234-340A-71

Query Match 87.3%; Score 2198.5; DB 4; Length 452;
Best Local Similarity 89.8%; Pred. No. 1.3e-157;
Matches 406; Conservative 28; Mismatches 17; Indels 1; Gaps 1;

QY 20 QVQLVQSGAEVKKGASVKVSCKASGTFSTSYMMQWVQAQPGQLEWMGIEDPSDSTNY 79
DB 1 EVQLVQSGGGLVQPGGSLRLSCAASGYSFSSHYHWVRQAPGKLEWVGYPDPSNGETTY 60
QY 80 NQKFKGKATITVDSTSTAYMELSLRSEDTAVYYCAR-NRDYSNNMYFDVWGQGLTVTV 138
DB 61 NQKFKGRTLSRDNSKNTAYIQMNSLRADPTAVYYCARGDYRNGDWFDFVWGQGLTVTV 120
QY 139 SSASTKGSPVPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQ 198
DB 121 SSASTKGSPVPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQ 180
QY 199 SSGLYSLSSVTVVSSSLGTQTYICNVNPKSPNTKVDKRVKPSGCDKHTHCPAPPELL 258

Db 181 SSGLYSSVTVSSSLGTQTYICNVNHNKPSNTKVDKCKVPSKCDKHTPCPCAPBEL 240
Qy 259 GGBSVPLPPPKKDTLMISRTPEVTCVVVDVSHEDPEKFMNVYDGVENNAKTKPREQ 318
Db 241 GGBSVPLPPPKKDTLMISRTPEVTCVVVDVSHEDPEKFMNVYDGVENNAKTKPREQ 300
Qy 319 YNSTYRVSVLTVLHODWLNKKEYCKVSNKALPAPIEKTSKAKGQPREQVYTLPEPSR 378
Db 301 YNSTYRVSVLTVLHODWLNKKEYCKVSNKALPAPIEKTSKAKGQPREQVYTLPEPSR 360
Qy 379 EEMTKNOVSLTCLYKGFYPSDIAVEMESNGQPENNYKTTTPVLDSDGFLYSLKLTVDKS 438
Db 361 EEMTKNOVSLTCLYKGFYPSDIAVEMESNGQPENNYKTTTPVLDSDGFLYSLKLTVDKS 420
Qy 439 RMOOGNVFSCSVMEHALNHYTOKSLSLSPGK 470
Db 421 RMOOGNVFSCSVMEHALNHYTOKSLSLSPGK 452

RESULT 9

US-09-301-593-30
Sequence 30, Application US/09301593A
Patent No. 645677
GENERAL INFORMATION:
APPLICANT: Parit, John R.
APPLICANT: Garin-Cheea, Pilar
APPLICANT: Bamberger, Uwe
APPLICANT: Legier, Olivier
APPLICANT: Saldanha, Jose W.
APPLICANT: Rettig, Wolfgang J.
TITLE OF INVENTION: FAP-specific Antibody with Improved Productibility
FILE REFERENCE: 0652.1890001
CURRENT APPLICATION NUMBER: US/09/301,593A
CURRENT FILING DATE: 1998-04-29
EARLIER APPLICATION NUMBER: EP 98107925.4
EARLIER FILING DATE: 1998-04-30
EARLIER APPLICATION NUMBER: US 60/086,049
EARLIER FILING DATE: 1998-05-18
NUMBER OF SEQ ID NOS: 108
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 30
LENGTH: 472
TYPE: PRT
ORGANISM: Homo sapiens
US-09-301-593-30

Query Match 87.3%; Score 2198; DB 4; Length 472;
Best Local Similarity 87.7%; Pred. No. 1.5e-157;
Matches 415; Conservative 20; Mismatches 34; Indels 4; Gaps 2;

Qy 1 MGMSCTILFLVATATGVHVSQVLOVSGAEVKKPGASVVSVCASGDTFTYMWQWKAQ 60
Db 1 MGMSWVFLFLISGTAAGVSEVLOQSGPELVKPGASVMSCKTSYTTETTHHWKRS 60
Qy 61 GQGLMMGEIDPSDYTNQKFKGKATITVDSTSTAYMELSLRSDTAAYVYCARNR- 119
Db 61 GKSLEWIGGINPNNGIPYNNQKFKGRATLTVGKSSSTAYMELRSLTSDSAVYCARRI 120
Qy 120 --DYNNMYFDVWQGLTVYSASTKGPVFPPLAPSSKSTSGGTAALGCLVKDYFPEPV 177
Db 121 AYVDEGHAMDYWGQSTSVTVSS--STKGPVFPPLAPSSKSTSGGTAALGCLVKDYFPEPV 179
Qy 178 TVSNNSGALTSQVTFPFAVLQSSGLYSLSVTVVSSSLGTQTYICNVNHNKPSNTKVDKR 237
Db 180 TVSNNSGALTSQVTFPFAVLQSSGLYSLSVTVVSSSLGTQTYICNVNHNKPSNTKVDKR 239
Qy 238 VEPKSCDKHTPCPCAPABELGSPVFLPPPKKDTLMISRTPEVTCVVVDVSHEDPEVK 297
Db 240 VEPKSCDKHTPCPCAPABELGSPVFLPPPKKDTLMISRTPEVTCVVVDVSHEDPEVK 299
Qy 298 FNNYVDGVEVNAKTKPREQYNSTYRVSVLTVLHODWLNKKEYCKVSNKALPAPIEK 357
Db 298 FNNYVDGVEVNAKTKPREQYNSTYRVSVLTVLHODWLNKKEYCKVSNKALPAPIEK 357

Db 300 FNNYVDGVEVNAKTKPREQYNSTYRVSVLTVLHODWLNKKEYCKVSNKALPAPIEK 359
Qy 358 TISKAKQPREQVYTLPPSREEMTKNOVSLTCLYKGFYPSDIAVEMESNGQPENNYKTT 417
Db 360 TISKAKQPREQVYTLPPSREEMTKNOVSLTCLYKGFYPSDIAVEMESNGQPENNYKTT 419
Qy 418 PPVLDSDGSPFLYSLKLTVDKSRMOOGNVFSCSVMEHALNHYTOKSLSLSPGK 470
Db 420 PPVLDSDGSPFLYSLKLTVDKSRMOOGNVFSCSVMEHALNHYTOKSLSLSPGK 472

RESULT 10

US-09-485-737B-67
Sequence 67, Application US/09485737B
Patent No. 6350860
GENERAL INFORMATION:
APPLICANT: Buysse, Marie-Ange
APPLICANT: Sablon, Erwin
TITLE OF INVENTION: INTERFERON-gamma-BINDING MOLECULES FOR TREATING SEPTIC SHOCK,
FILE REFERENCE: INNS:015
CURRENT APPLICATION NUMBER: US/09/485,737B
CURRENT FILING DATE: 2000-02-14
PRIOR APPLICATION NUMBER: PCT/EP 98/05165
PRIOR FILING DATE: 1998-08-14
PRIOR APPLICATION NUMBER: EPO 98870139.7
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: EPO 97870122.5
NUMBER OF SEQ ID NOS: 104
SOFTWARE: Patentin version 3.0
SEQ ID NO 67
LENGTH: 468
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE: OTHER INFORMATION: SYNTHETIC
US-09-485-737B-67

Query Match 86.5%; Score 2177; DB 4; Length 468;
Best Local Similarity 88.2%; Pred. No. 5.6e-156;
Matches 410; Conservative 20; Mismatches 31; Indels 4; Gaps 1;

Qy 6 IILFLVATATGVHVSQVLOVSGAEVKKPGASVVSVCASGDTFTYMWQWKAQPGGLE 65
Db 7 IFLFLISASVILSVOVLQVSGSELKPKGASVKSICASGDTFTDYQMNWKAQAPGGGLX 66
Qy 66 WMGEIDSDSYTNQKFKGKATITVDSTSTAYMELSLRSDTAAYVYCARNDYNNM 125
Db 67 WMGINITYTGBSTYVDVDFKGRFVFSLSQVSAAYLQISLKAEDTATYFCARCGFA--- 123
Qy 126 YFDVWQGLTVYSASTKGPVFPPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSNNSGA 185
Db 124 -MDVWQGLTVYVSASTKGPVFPPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSNNSGA 182
Qy 186 LTSQVTFPFAVLQSSGLYSLSVTVVSSSLGTQTYICNVNHNKPSNTKVDKRVKSCDK 245
Db 183 LTSQVTFPFAVLQSSGLYSLSVTVVSSSLGTQTYICNVNHNKPSNTKVDKRVKSCDK 242
Qy 246 THTPCPCAPABELGSPVFLPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFMNVYDGV 305
Db 243 THTPCPCAPABELGSPVFLPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFMNVYDGV 302
Qy 306 EVNNAKTKPREQYNSTYRVSVLTVLHODWLNKKEYCKVSNKALPAPIEKTSKAKQ 365
Db 303 EVNNAKTKPREQYNSTYRVSVLTVLHODWLNKKEYCKVSNKALPAPIEKTSKAKQ 362
Qy 366 PREQVYTLPPSREEMTKNOVSLTCLYKGFYPSDIAVEMESNGQPENNYKTTTPVLDSDG 425
Db 363 PREQVYTLPPSREEMTKNOVSLTCLYKGFYPSDIAVEMESNGQPENNYKTTTPVLDSDG 422
Qy 426 SPFLYSLKLTVDKSRMOOGNVFSCSVMEHALNHYTOKSLSLSPGK 470
Db 426 SPFLYSLKLTVDKSRMOOGNVFSCSVMEHALNHYTOKSLSLSPGK 470

Db 423 SFPLYSKLTVDKSRWQGNVSCSVMEHALNHNTOKSLSPGK 467

RESULT 11

US-09-485-737B-90

Sequence 90, Application US/09485737B

Patent No. 6350860

GENERAL INFORMATION:

APPLICANT: Buysse, Marie-Ange

APPLICANT: Sablon, Edwin

TITLE OF INVENTION: INTERFERON-gamma-BINDING MOLECULES FOR TREATING SEPTIC SHOCK,

FILE REFERENCE: INNS: 015

CURRENT APPLICATION NUMBER: US/09/485,737B

PRIOR APPLICATION NUMBER: PCT/EP 98/05165

PRIOR FILING DATE: 1998-08-14

PRIOR APPLICATION NUMBER: EPO 98870139.7

PRIOR FILING DATE: 1998-06-18

PRIOR APPLICATION NUMBER: EPO 97870122.5

PRIOR FILING DATE: 1997-08-18

NUMBER OF SEQ ID NOS: 104

SOFTWARE: Patent version 3.0

SEQ ID NO 90

LENGTH: 711

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: SYNTHETIC

US-09-485-737B-90

Query Match 86.5%; Score 2177; DB 4; Length 711;

Best Local Similarity 88.2%; Pred. No. 9.6e-156;

Matches 410; Conservative 20; Mismatches 31; Indels 4; Gaps 1;

Qy 6 IILFLVATATGSHSVOVLVOSGAEVKKRGASVKKVSCKASGTTFTSYMMQWYKQAPGQGLB 65

Db 7 IFSPLLSASVILSIOVLVOSGSELKKRGASVKISCKASGTTFTDYGNWYKQAPGQGLK 66

Qy 66 WNGEIDPSDSTYNNQKPKGKATTTVDSTSTAYMELSLRSEDTAVYYCARNDYSNNW 125

Db 67 WMGWINTYTGSESTYVDVDFKGRFVFLSDTSVSAAYLIQSLKAEPTATYFCARRGFYA--- 123

Qy 126 YFDVWGQGLTVTSSASTKGPVSFPLAPSSKSTSGGTALGCLVQDYFPEPVTVSMNSGA 185

Db 124 -MDWVGQGLTVTSSASTKGPVSFPLAPSSKSTSGGTALGCLVQDYFPEPVTVSMNSGA 182

Qy 186 LTSGVHTFPAVLQSSGLYSLSVTVTPSSSLGTQTYICNVNHPKSPNTKVDKRVKPKSCDK 245

Db 183 LTSGVHTFPAVLQSSGLYSLSVTVTPSSSLGTQTYICNVNHPKSPNTKVDKRVKPKSCDK 242

Qy 246 THTCPCPAPPELLCGPSVFLFPKPKDTLMSRTPEVTCVVVDVSHEDPEVKFNWYVDGV 305

Db 243 THTCPCPAPPELLCGPSVFLFPKPKDTLMSRTPEVTCVVVDVSHEDPEVKFNWYVDGV 302

Qy 306 EVNNAKTKPREQVNSTYRVSVLTVLHQMNLNGEKYCKVSNKALPAPIKTISSKAGQ 365

Db 303 EVNNAKTKPREQVNSTYRVSVLTVLHQMNLNGEKYCKVSNKALPAPIKTISSKAGQ 362

Qy 366 PREQVNTLPSPREEMTKNOVSLTCLVGFYPSDIAVWESNGQPENNYKTPPVLDSDG 425

Db 363 PREQVNTLPSPREEMTKNOVSLTCLVGFYPSDIAVWESNGQPENNYKTPPVLDSDG 422

Qy 426 SFPLYSKLTVDKSRWQGNVSCSVMEHALNHNTOKSLSPGK 470

Db 423 SFPLYSKLTVDKSRWQGNVSCSVMEHALNHNTOKSLSPGK 467

RESULT 12

US-07-934-373C-22

Sequence 22, Application US/07934373C

Patent No. 5821337

GENERAL INFORMATION:

APPLICANT: Paul J. Carter

APPLICANT: Leonard G. Presta

TITLE OF INVENTION: Immunoglobulin Variants

NUMBER OF SEQUENCES: 48

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 1 DNA Way

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WinPatIn (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/934,373C

FILING DATE: 21-Aug-1992

CLASSIFICATION: 530

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/US92/05126

FILING DATE: 15-JUN-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/715272

FILING DATE: 14-JUN-1991

ATTORNEY/AGENT INFORMATION:

NAME: Lee, Wendy M.

REGISTRATION NUMBER: 40,378

REFERENCE/DOCKET NUMBER: P0709P2

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650/225-1994

TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 22:

SEQUENCE CHARACTERISTICS:

LENGTH: 454 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

US-07-934-373C-22

Query Match 85.8%; Score 2159.5; DB 2; Length 454;

Best Local Similarity 89.2%; Pred. No. 1.1e-154;

Matches 405; Conservative 18; Mismatches 28; Indels 3; Gaps 1;

Qy 20 QVQLVQSGAEVKKRGAASVKYSCKRSGTFTFSYMMQWYKQAPGQGLFEMNGELDPSDSTNY 79

Db 1 QVQLVQSGPELVKRGASVKISCKTSGYTFETYMHWKQSHGKSLWVIGGFNPNKGSSH 60

Qy 80 NQPKGKATTTVDSTSTAYMELSLRSEDTAVYYCARNDYSNNW---YFDVWGQGLTV 136

Db 61 NQPKGKATTTVDSTSTAYMELSLRSEDTAVYYCARNDYSNNW---YFDVWGQGLTV 120

Qy 137 TVSSASTKGPVSFPLAPSSKSTSGGTALGCLVQDYFPEPVTVSMNSGALTSVHTFPAY 196

Db 121 TVSSASTKGPVSFPLAPSSKSTSGGTALGCLVQDYFPEPVTVSMNSGALTSVHTFPAY 180

Qy 197 LQSSGLYSLSVTVTPSSSLGTQTYICNVNHPKSPNTKVDKRVKPKSCDKTHTCPCPAPPE 256

Db 181 LQSSGLYSLSVTVTPSSSLGTQTYICNVNHPKSPNTKVDKRVKPKSCDKTHTCPCPAPPE 240

Qy 257 ILGGPSVFLFPKPKDTLMSRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVNAKTKPRE 316

Db 241 ILGGPSVFLFPKPKDTLMSRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVNAKTKPRE 300

Qy 317 EQYNSTYRVSVLTVLHQMNLNGEKYCKVSNKALPAPIKTISSKAGQPREQVNTLP 376

Db 301 EQYNSTYRVSVLTVLHQMNLNGEKYCKVSNKALPAPIKTISSKAGQPREQVNTLP 360

Qy 377 SREEMTKNOVSLTCLVGFYPSDIAVWESNGQPENNYKTPPVLDSDGSFPLYSKLTVD 436

Db 361 SREEMTKNOVSLTCLVGFYPSDIAVWESNGQPENNYKTPPVLDSDGSFPLYSKLTVD 420

Qy 437 KSRWQGNVSCSVMEHALNHNTOKSLSPGK 470

Db 421 KSRWQGNVFSQVMEALHNHYTKSLSPGK 454

RESULT 13
US-08-437-642B-22
Sequence 22, Application US/08437642B

Patent No. 6054297
GENERAL INFORMATION:

APPLICANT: Paul J. Carter

APPLICANT: Leonard G. Presta

TITLE OF INVENTION: Immunoglobulin Variants

NUMBER OF SEQUENCES: 47

CORRESPONDENCE ADDRESS:

ADDRESS: Genentech, Inc.

STREET: 1 DNA Way

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

OPERATING SYSTEM: IBM PC compatible

SOFTWARE: Winpatin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/437, 642B

FILING DATE: 09-May-1995

CLASSIFICATION: 530

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/934373

FILING DATE: 21-AUG-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/146206

FILING DATE: 17-NOV-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/US92/05126

FILING DATE: 15-JUN-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/715272

FILING DATE: 14-JUN-1991

ATTORNEY/AGENT INFORMATION:

NAME: Lee, Wendy M.

REGISTRATION NUMBER: 40,378

REFERENCE/DOCKET NUMBER: P0709P2C1

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650/225-1994

TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 22:

SEQUENCE CHARACTERISTICS:

LENGTH: 454 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

US-08-437-642B-22

Query Match

Best Local Similarity 85.8%; Score 2159.5; DB 3; Length 454;

Best Local Similarity 89.2%; Pred. No. 1.1e-154;

Matches 405; Conservative 18; Mismatches 28; Indels 3; Gaps 1;

QY 20 QVQLVSGAIVKPKGASVYKSCASGYTFITSMQWYKQAPGGGLEMGELIDPSDSTINY 79
Db 1 QVQLVSGAIVKPKGASVYKSCASGYTFITSMQWYKQAPGGGLEMGELIDPSDSTINY 60
QY 80 NQKRGKATITVDSTSTAYMELSLRSEDTAVYYCARNDYSNNW---YFDWVGQGLTV 136
Db 61 NQKRGKATITVDSTSTAYMELSLRSEDTAVYYCARNDYSNNW---YFDWVGQGLTV 120
QY 137 TVSSASTKGPVFPPLAPSSKSTSGTALGCLVVDYFPEPTVSNNSGALTSGVHTFPAY 196
Db 121 TVSSASTKGPVFPPLAPSSKSTSGTALGCLVVDYFPEPTVSNNSGALTSGVHTFPAY 180
QY 197 LQSSGLYSLSSVTVTPSSSLGTQYIICNVNKKPSNTKVDKVEPKSCDKTHTCPPCPAPE 256
Db 197 LQSSGLYSLSSVTVTPSSSLGTQYIICNVNKKPSNTKVDKVEPKSCDKTHTCPPCPAPE 256

Db 181 LQSSGLYSLSSVTVTPSSSLGTQYIICNVNKKPSNTKVDKVEPKSCDKTHTCPPCPAPE 240
QY 257 LGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNNYVYDGEVHNAAKTRPRE 316
Db 241 LGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNNYVYDGEVHNAAKTRPRE 300
QY 317 EQNSTYRVVSVLTTLHQMILNGEKYCKISNKAALPAPIKTTISKAGQPREPQVYTLPP 376
Db 301 EQNSTYRVVSVLTTLHQMILNGEKYCKISNKAALPAPIKTTISKAGQPREPQVYTLPP 360
QY 377 SREEMTKNOVSLTCLVNGFYPSDIAVWESNGQPENNYKTTPTLSDSGSFYLSKLTVD 436
Db 361 SREEMTKNOVSLTCLVNGFYPSDIAVWESNGQPENNYKTTPTLSDSGSFYLSKLTVD 420
QY 437 KSRWQGNVFSQVMEALHNHYTKSLSPGK 470
Db 421 KSRWQGNVFSQVMEALHNHYTKSLSPGK 454

RESULT 14
US-08-146-206C-22
Sequence 22, Application US/08146206C

Patent No. 6407213
GENERAL INFORMATION:

APPLICANT: Carter, Paul J.

APPLICANT: Presta, Leonard G.

TITLE OF INVENTION: Method for Making Humanized Antibodies

NUMBER OF SEQUENCES: 26

CORRESPONDENCE ADDRESS:

ADDRESS: Genentech, Inc.

STREET: 1 DNA Way

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

OPERATING SYSTEM: IBM PC compatible

SOFTWARE: Winpatin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/146, 206C

FILING DATE: 17-No. 6407213-1993

CLASSIFICATION: 530

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/715272

FILING DATE: 14-JUN-1991

ATTORNEY/AGENT INFORMATION:

NAME: Lee, Wendy M.

REGISTRATION NUMBER: 40,378

REFERENCE/DOCKET NUMBER: P0709P1

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650/225-1994

TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 22:

SEQUENCE CHARACTERISTICS:

LENGTH: 454 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

US-08-146-206C-22
Query Match
Best Local Similarity 85.8%; Score 2159.5; DB 4; Length 454;
Best Local Similarity 89.2%; Pred. No. 1.1e-154;
Matches 405; Conservative 18; Mismatches 28; Indels 3; Gaps 1;
QY 20 QVQLVSGAIVKPKGASVYKSCASGYTFITSMQWYKQAPGGGLEMGELIDPSDSTINY 79
Db 1 QVQLVSGAIVKPKGASVYKSCASGYTFITSMQWYKQAPGGGLEMGELIDPSDSTINY 60
QY 80 NQKRGKATITVDSTSTAYMELSLRSEDTAVYYCARNDYSNNW---YFDWVGQGLTV 136
Db 61 NQKRGKATITVDSTSTAYMELSLRSEDTAVYYCARNDYSNNW---YFDWVGQGLTV 120

QY 137 TVSSASTGSPVFLAPSSKSTSGTAAAGCLVXDYFPEPVTVSMNSGALTSGVHTFPAY 196
121 TVSSASTGSPVFLAPSSKSTSGTAAAGCLVXDYFPEPVTVSMNSGALTSGVHTFPAY 180
QY 197 LQSSGLVSLSSVTVPPSSSLGTQYICVNNHKPSTKVDKVEPKSCDHTCPCPAPE 256
181 LQSSGLVSLSSVTVPPSSSLGTQYICVNNHKPSTKVDKVEPKSCDHTCPCPAPE 240
QY 257 LLAGPSVFLPPKPKDITMISRTPEVTCVVDVSHEDBEVKNMYVDGVEVHNAKTKPRE 316
241 LLAGPSVFLPPKPKDITMISRTPEVTCVVDVSHEDBEVKNMYVDGVEVHNAKTKPRE 300
QY 317 EQNSTYRVSVLTVLHODWLNKGEYKCKVSNKALPAPIEKTISKAKQPREPOVYTLPP 376
301 EQNSTYRVSVLTVLHODWLNKGEYKCKVSNKALPAPIEKTISKAKQPREPOVYTLPP 360
QY 377 SREMTKNQVSLTCLVKGFPYSDIAVWESNGQPENNYKTPPVLDSDGSFFLYSKLTV 436
361 SREMTKNQVSLTCLVKGFPYSDIAVWESNGQPENNYKTPPVLDSDGSFFLYSKLTV 420
QY 437 KSRMOQGNVFSQVMEHALHNHYTQKSLSPGK 470
421 KSRMOQGNVFSQVMEHALHNHYTQKSLSPGK 454
Db

RESULT 15

PCT-US93-07832-22

Sequence 22, Application PC/TUS9307832
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
TITLE OF INVENTION: Immunoglobulin Variants
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/07832
FILING DATE: 19930820
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/715272
FILING DATE: 14-JUN-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/05126
FILING DATE: 15-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/934373
FILING DATE: 21-AUG-1992
ATTORNEY/AGENT INFORMATION:
NAME:
REGISTRATION NUMBER:
REFERENCE/DOCKET NUMBER: 709P2PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE:
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 454 amino acids
TYPE: amino acid
TOPOLOGY: linear
PCT-US93-07832-22

Query Match 85.8%; Score 2159.5; DB 5; Length 454;

Best Local Similarity 89.2%; Pred. No. 1,16-154;
Matches 405; Conservative 18; Mismatches 28; Indels 3; Gaps 1;
QY 20 QVQLVQSGAEVKKRQASGYSKUSCKASGYSFTSYNNQWVKQAPGQGLFEMWGELDPSDSTNY 79
1 QVQLVQSGAEVKKRQASGYSKUSCKASGYSFTSYNNQWVKQAPGQGLFEMWGELDPSDSTNY 60
QY 80 NQKFKGATITVDISTSTAYVIELSLRSEDPVAVYCARNDYSNNW--YFDVWQGGTLV 136
61 NQKFKGATITVDISTSTAYVIELSLRSEDPVAVYCARNDYSNNW--YFDVWQGGTLV 120
Db 137 TVSSASTGSPVFLAPSSKSTSGTAAAGCLVXDYFPEPVTVSMNSGALTSGVHTFPAY 196
121 TVSSASTGSPVFLAPSSKSTSGTAAAGCLVXDYFPEPVTVSMNSGALTSGVHTFPAY 180
QY 197 LQSSGLVSLSSVTVPPSSSLGTQYICVNNHKPSTKVDKVEPKSCDHTCPCPAPE 256
181 LQSSGLVSLSSVTVPPSSSLGTQYICVNNHKPSTKVDKVEPKSCDHTCPCPAPE 240
QY 257 LLAGPSVFLPPKPKDITMISRTPEVTCVVDVSHEDBEVKNMYVDGVEVHNAKTKPRE 316
241 LLAGPSVFLPPKPKDITMISRTPEVTCVVDVSHEDBEVKNMYVDGVEVHNAKTKPRE 300
QY 317 EQNSTYRVSVLTVLHODWLNKGEYKCKVSNKALPAPIEKTISKAKQPREPOVYTLPP 376
301 EQNSTYRVSVLTVLHODWLNKGEYKCKVSNKALPAPIEKTISKAKQPREPOVYTLPP 360
QY 377 SREMTKNQVSLTCLVKGFPYSDIAVWESNGQPENNYKTPPVLDSDGSFFLYSKLTV 436
361 SREMTKNQVSLTCLVKGFPYSDIAVWESNGQPENNYKTPPVLDSDGSFFLYSKLTV 420
QY 437 KSRMOQGNVFSQVMEHALHNHYTQKSLSPGK 470
421 KSRMOQGNVFSQVMEHALHNHYTQKSLSPGK 454
Db

Search completed: February 20, 2004, 13:35:10
Job time : 16.5872 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: February 20, 2004, 13:31:02 ; Search time 35.6422 Seconds

(without alignments)
2761.047 Million cell updates/sec

Title: US-09-499-662-145

Perfect score: 2517
Sequence: 1 MGNSCILFLVATATGVHSG.....MHEALHNYQKSLISLSPGK 470

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 801455 seqs, 209382283 residues

Total number of hits satisfying chosen parameters: 801455

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database :

Published Applications AA:*

- 1: /cgn2_6/ptodata/1/pubppaa/US07_PUBCOMB.pep:*
- 2: /cgn2_6/ptodata/1/pubppaa/PCr_NEW_PUB.pep:*
- 3: /cgn2_6/ptodata/1/pubppaa/US06_NEW_PUB.pep:*
- 4: /cgn2_6/ptodata/1/pubppaa/US06_PUBCOMB.pep:*
- 5: /cgn2_6/ptodata/1/pubppaa/US07_NEW_PUB.pep:*
- 6: /cgn2_6/ptodata/1/pubppaa/PCrUS_PUBCOMB.pep:*
- 7: /cgn2_6/ptodata/1/pubppaa/US08_NEW_PUB.pep:*
- 8: /cgn2_6/ptodata/1/pubppaa/US08_PUBCOMB.pep:*
- 9: /cgn2_6/ptodata/1/pubppaa/US09_PUBCOMB.pep:*
- 10: /cgn2_6/ptodata/1/pubppaa/US09B_PUBCOMB.pep:*
- 11: /cgn2_6/ptodata/1/pubppaa/US09C_PUBCOMB.pep:*
- 12: /cgn2_6/ptodata/1/pubppaa/US09_NEW_PUB.pep:*
- 13: /cgn2_6/ptodata/1/pubppaa/US10A_PUBCOMB.pep:*
- 14: /cgn2_6/ptodata/1/pubppaa/US10B_PUBCOMB.pep:*
- 15: /cgn2_6/ptodata/1/pubppaa/US10C_PUBCOMB.pep:*
- 16: /cgn2_6/ptodata/1/pubppaa/US10_NEW_PUB.pep:*
- 17: /cgn2_6/ptodata/1/pubppaa/US60_NEW_PUB.pep:*
- 18: /cgn2_6/ptodata/1/pubppaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2517	100.0	470	US-10-384-933-145	Sequence 145, App
2	2517	100.0	470	US-10-216-484-145	Sequence 145, App
3	2515	99.9	470	US-10-384-933-143	Sequence 143, App
4	2515	99.9	470	US-10-216-484-143	Sequence 143, App
5	2512	99.8	470	US-10-384-933-117	Sequence 117, App
6	2512	99.8	470	US-10-384-933-147	Sequence 147, App
7	2512	99.8	470	US-10-216-484-117	Sequence 117, App
8	2512	99.8	470	US-10-216-484-147	Sequence 147, App
9	2499	99.3	470	US-10-384-933-89	Sequence 89, App1
10	2499	99.3	470	US-10-216-484-89	Sequence 89, App1
11	2497	99.2	470	US-10-384-933-157	Sequence 157, App
12	2497	99.2	470	US-10-216-484-157	Sequence 157, App
13	2348.5	93.3	741	US-09-825-012-46	Sequence 46, App1
14	2348.5	93.3	741	US-09-825-012-55	Sequence 55, App1
15	2343.5	93.1	729	US-09-825-012-52	Sequence 52, App1

16	2343.5	93.1	739	10	US-09-825-012-61	Sequence 61, App1
17	2337.5	92.9	730	10	US-09-825-012-49	Sequence 49, App1
18	2337.5	92.9	740	10	US-09-825-012-58	Sequence 58, App1
19	2288.5	90.9	469	12	US-10-377-121-18	Sequence 18, App1
20	2283.5	90.7	469	12	US-10-377-121-22	Sequence 22, App1
21	2266	90.0	476	12	US-10-225-108A-16	Sequence 16, App1
22	2266	90.0	476	12	US-10-461-148-9	Sequence 9, App1
23	2257.5	89.7	467	12	US-10-353-708-41	Sequence 41, App1
24	2257.5	89.7	467	12	US-10-353-708-47	Sequence 47, App1
25	2257.5	89.7	467	12	US-10-353-708-59	Sequence 59, App1
26	2257.5	89.7	467	15	US-10-171-452A-41	Sequence 41, App1
27	2257.5	89.7	467	15	US-10-171-452A-47	Sequence 47, App1
28	2254.5	89.6	467	15	US-10-171-452A-59	Sequence 59, App1
29	2254.5	89.6	467	12	US-10-353-708-53	Sequence 53, App1
30	2254.5	89.6	467	15	US-10-171-452A-53	Sequence 53, App1
31	2254	89.6	476	10	US-09-747-669-3	Sequence 3, App1
32	2254	89.6	476	15	US-10-290-703-3	Sequence 3, App1
33	2253	89.5	472	12	US-10-159-006-43	Sequence 43, App1
34	2236.5	88.9	448	12	US-10-378-567-2	Sequence 2, App1
35	2237.5	88.5	489	12	US-10-104-047-3329	Sequence 3329, App
36	2226	88.4	476	12	US-10-409-938-15	Sequence 15, App1
37	2224.5	88.4	448	12	US-10-353-708-48	Sequence 48, App1
38	2224.5	88.4	448	12	US-10-353-708-60	Sequence 60, App1
39	2224.5	88.4	448	15	US-10-171-452A-60	Sequence 60, App1
40	2224.5	88.4	448	15	US-10-171-452A-60	Sequence 60, App1
41	2221.5	88.3	448	12	US-10-353-708-42	Sequence 42, App1
42	2221.5	88.3	448	12	US-10-353-708-54	Sequence 54, App1
43	2221.5	88.3	448	15	US-10-171-452A-42	Sequence 42, App1
44	2221.5	88.3	448	15	US-10-171-452A-54	Sequence 54, App1
45	2211.5	87.9	477	12	US-10-108-260A-4289	Sequence 4289, App

ALIGNMENTS

RESULT 1
US-10-384-933-145
Sequence 145, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126C1P/HG
CURRENT APPLICATION NUMBER: US/10/384, 933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499, 662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053, 583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 145
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURES:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy chain of humanized anti-Fas antibody
US-10-384-933-145
Query Match 100.0%; Score 2517; DB 12; Length 470;
Best Local Similarity 100.0%; Pred. No. 5.2e-166;
Matches 470; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Cy 1 MGNSCILFLVATATGVHSGVQVQSGAEVKKPKASVKVSCKASGYTFTSYMMQVKAAP 60
Db 1 MGNSCILFLVATATGVHSGVQVQSGAEVKKPKASVKVSCKASGYTFTSYMMQVKAAP 60
Cy 61 GGGLEMMGEIDPSDYNYNQKFKGATITVDTSSTAYMELSLRSEDIAVYVCAARRD 120
Db 61 GGGLEMMGEIDPSDYNYNQKFKGATITVDTSSTAYMELSLRSEDIAVYVCAARRD 120

Db 61 GGGLEMMGEIDPSDSTYNQKFKGKATITVDTSTAYMELSLRSEDIAVYYCARNRD 120
Qy 121 YSNMMYFDWVGQGLTVTVSSASTKGPVFLPAPSSKSTSGGTAALGCLVKDYFPEPVTVS 180
Db 121 YSNMMYFDWVGQGLTVTVSSASTKGPVFLPAPSSKSTSGGTAALGCLVKDYFPEPVTVS 180
Qy 181 WNSGALTSVGHTFPAVLQSSGLYSLSVTVTPSSSLGTQYIICNVNHPKSTKVDKVERP 240
Db 181 WNSGALTSVGHTFPAVLQSSGLYSLSVTVTPSSSLGTQYIICNVNHPKSTKVDKVERP 240
Qy 241 KSCDKHTHCPCPAPBELLGSPVFLFPKPKDITLMSRTPEVTCVVVDVSHEDPEVKFNW 300
Db 241 KSCDKHTHCPCPAPBELLGSPVFLFPKPKDITLMSRTPEVTCVVVDVSHEDPEVKFNW 300
Qy 301 YVDGEVHNATKTPREEQYNSTYRVSVLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPV 360
Db 301 YVDGEVHNATKTPREEQYNSTYRVSVLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPV 360
Qy 361 KAKQPREPQVYTLTPREEMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPV 420
Db 361 KAKQPREPQVYTLTPREEMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPV 420
Qy 421 LDSGSPFLYSKLTVDKSRMQQGNVFCSCVMHEALHNHYTQKSLSLSPGK 470
Db 421 LDSGSPFLYSKLTVDKSRMQQGNVFCSCVMHEALHNHYTQKSLSLSPGK 470

RESULT 2

US-10-216-484-145
; Sequence 145, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216, 484
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 145
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-145

Query Match 100.0%; Score 2517; DB 15; Length 470;
Best Local Similarity 100.0%; Pred. No. 5.2e-166;
Matches 470; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MGNMCIILFLVATATGHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVKQAP 60
Db 1 MGNMCIILFLVATATGHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVKQAP 60
Qy 61 GGGLEMMGEIDPSDSTYNQKFKGKATITVDTSTAYMELSLRSEDIAVYYCARNRD 120
Db 61 GGGLEMMGEIDPSDSTYNQKFKGKATITVDTSTAYMELSLRSEDIAVYYCARNRD 120
Qy 121 YSNMMYFDWVGQGLTVTVSSASTKGPVFLPAPSSKSTSGGTAALGCLVKDYFPEPVTVS 180
Db 121 YSNMMYFDWVGQGLTVTVSSASTKGPVFLPAPSSKSTSGGTAALGCLVKDYFPEPVTVS 180
Qy 181 WNSGALTSVGHTFPAVLQSSGLYSLSVTVTPSSSLGTQYIICNVNHPKSTKVDKVERP 240
Db 181 WNSGALTSVGHTFPAVLQSSGLYSLSVTVTPSSSLGTQYIICNVNHPKSTKVDKVERP 240

Db 181 WNSGALTSVGHTFPAVLQSSGLYSLSVTVTPSSSLGTQYIICNVNHPKSTKVDKVERP 240
Qy 241 KSCDKHTHCPCPAPBELLGSPVFLFPKPKDITLMSRTPEVTCVVVDVSHEDPEVKFNW 300
Db 241 KSCDKHTHCPCPAPBELLGSPVFLFPKPKDITLMSRTPEVTCVVVDVSHEDPEVKFNW 300
Qy 301 YVDGEVHNATKTPREEQYNSTYRVSVLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPV 360
Db 301 YVDGEVHNATKTPREEQYNSTYRVSVLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPV 360
Qy 361 KAKQPREPQVYTLTPREEMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPV 420
Db 361 KAKQPREPQVYTLTPREEMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPV 420
Qy 421 LDSGSPFLYSKLTVDKSRMQQGNVFCSCVMHEALHNHYTQKSLSLSPGK 470
Db 421 LDSGSPFLYSKLTVDKSRMQQGNVFCSCVMHEALHNHYTQKSLSLSPGK 470

RESULT 3

US-10-384-933-143
; Sequence 143, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384, 933
; PRIOR FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 143
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-143

Query Match 99.9%; Score 2515; DB 12; Length 470;
Best Local Similarity 99.8%; Pred. No. 7.1e-166;
Matches 469; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MGNMCIILFLVATATGHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVKQAP 60
Db 1 MGNMCIILFLVATATGHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVKQAP 60
Qy 61 GGGLEMMGEIDPSDSTYNQKFKGKATITVDTSTAYMELSLRSEDIAVYYCARNRD 120
Db 61 GGGLEMMGEIDPSDSTYNQKFKGKATITVDTSTAYMELSLRSEDIAVYYCARNRD 120
Qy 121 YSNMMYFDWVGQGLTVTVSSASTKGPVFLPAPSSKSTSGGTAALGCLVKDYFPEPVTVS 180
Db 121 YSNMMYFDWVGQGLTVTVSSASTKGPVFLPAPSSKSTSGGTAALGCLVKDYFPEPVTVS 180
Qy 181 WNSGALTSVGHTFPAVLQSSGLYSLSVTVTPSSSLGTQYIICNVNHPKSTKVDKVERP 240
Db 181 WNSGALTSVGHTFPAVLQSSGLYSLSVTVTPSSSLGTQYIICNVNHPKSTKVDKVERP 240
Qy 241 KSCDKHTHCPCPAPBELLGSPVFLFPKPKDITLMSRTPEVTCVVVDVSHEDPEVKFNW 300
Db 241 KSCDKHTHCPCPAPBELLGSPVFLFPKPKDITLMSRTPEVTCVVVDVSHEDPEVKFNW 300
Qy 301 YVDGEVHNATKTPREEQYNSTYRVSVLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPV 360
Db 301 YVDGEVHNATKTPREEQYNSTYRVSVLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPV 360

Db 301 YVDGEVHNKTKREBOYNSTYRVSVLTVLHODMNLGKRYCKVSNKALPAIEIKTIS 360
Qy 361 KAKQPREPOVYTLPPSRBEETKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPV 420
Db 361 KAKQPREPOVYTLPPSRBEETKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPV 420
Qy 421 LDSGSEFFLYSKLTVDKSRWQOGNVFSCSVHHEALHNHYTOKSLSLSPGK 470
Db 421 LDSGSEFFLYSKLTVDKSRWQOGNVFSCSVHHEALHNHYTOKSLSLSPGK 470

RESULT 4

US-10-216-484-143
; Sequence 143, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 143
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-143

Query Match 99.9%; Score 2515; DB 15; Length 470;

Best Local Similarity 99.8%; Pred. No. 7.1e-166;
Matches 469; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MGMSCTLLFLVATATGVSQVQLVQSGAEVKKPGASVKVSCKASGYFTSYMMQWVQAP 60
Db 1 MGMSCTLLFLVATATGVSQVQLVQSGAEVKKPGASVKVSCKASGYFTSYMMQWVQAP 60
Qy 61 GQGLEMMGEIDPSSTYNNOKFQKATITVDISTSTAYMELSLRSEDTAVYYCARND 120
Db 61 GQGLEMMGEIDPSSTYNNOKFQKATITVDISTSTAYMELSLRSEDTAVYYCARND 120
Qy 121 YSNMWYDVWGQGLTVVSSASTGSPVFLPAPSCKSTSGGTALGCLVKDYFPEPTVVS 180
Db 121 YSNMWYDVWGQGLTVVSSASTGSPVFLPAPSCKSTSGGTALGCLVKDYFPEPTVVS 180
Qy 121 YSNMWYDVWGQGLTVVSSASTGSPVFLPAPSCKSTSGGTALGCLVKDYFPEPTVVS 180
Db 121 YSNMWYDVWGQGLTVVSSASTGSPVFLPAPSCKSTSGGTALGCLVKDYFPEPTVVS 180
Qy 181 MNSGALTSVHTPFAVLQSSGLYSLSSVTVPSSSLGQTQYICVNHKPSNTKYDKVERP 240
Db 181 MNSGALTSVHTPFAVLQSSGLYSLSSVTVPSSSLGQTQYICVNHKPSNTKYDKVERP 240
Qy 241 KSCDKTHTCPPCPAPELLGSPSVFLPPPKEDTLMISTRTPEVTCVVVDVSHEDPEVKFNW 300
Db 241 KSCDKTHTCPPCPAPELLGSPSVFLPPPKEDTLMISTRTPEVTCVVVDVSHEDPEVKFNW 300
Qy 301 YVDGEVHNKTKREBOYNSTYRVSVLTVLHODMNLGKRYCKVSNKALPAIEIKTIS 360
Db 301 YVDGEVHNKTKREBOYNSTYRVSVLTVLHODMNLGKRYCKVSNKALPAIEIKTIS 360
Qy 361 KAKQPREPOVYTLPPSRBEETKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPV 420
Db 361 KAKQPREPOVYTLPPSRBEETKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPV 420
Qy 421 LDSGSEFFLYSKLTVDKSRWQOGNVFSCSVHHEALHNHYTOKSLSLSPGK 470
Db 421 LDSGSEFFLYSKLTVDKSRWQOGNVFSCSVHHEALHNHYTOKSLSLSPGK 470

Db 421 LDSGSEFFLYSKLTVDKSRWQOGNVFSCSVHHEALHNHYTOKSLSLSPGK 470

RESULT 5

US-10-384-933-117
; Sequence 117, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; PRIOR FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 117
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-117

Query Match 99.8%; Score 2512; DB 12; Length 470;

Best Local Similarity 99.6%; Pred. No. 1.2e-165;
Matches 468; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MGMSCTLLFLVATATGVSQVQLVQSGAEVKKPGASVKVSCKASGYFTSYMMQWVQAP 60
Db 1 MGMSCTLLFLVATATGVSQVQLVQSGAEVKKPGASVKVSCKASGYFTSYMMQWVQAP 60
Qy 61 GQGLEMMGEIDPSSTYNNOKFQKATITVDISTSTAYMELSLRSEDTAVYYCARND 120
Db 61 GQGLEMMGEIDPSSTYNNOKFQKATITVDISTSTAYMELSLRSEDTAVYYCARND 120
Qy 121 YSNMWYDVWGQGLTVVSSASTGSPVFLPAPSCKSTSGGTALGCLVKDYFPEPTVVS 180
Db 121 YSNMWYDVWGQGLTVVSSASTGSPVFLPAPSCKSTSGGTALGCLVKDYFPEPTVVS 180
Qy 121 YSNMWYDVWGQGLTVVSSASTGSPVFLPAPSCKSTSGGTALGCLVKDYFPEPTVVS 180
Db 121 YSNMWYDVWGQGLTVVSSASTGSPVFLPAPSCKSTSGGTALGCLVKDYFPEPTVVS 180
Qy 241 KSCDKTHTCPPCPAPELLGSPSVFLPPPKEDTLMISTRTPEVTCVVVDVSHEDPEVKFNW 300
Db 241 KSCDKTHTCPPCPAPELLGSPSVFLPPPKEDTLMISTRTPEVTCVVVDVSHEDPEVKFNW 300
Qy 241 KSCDKTHTCPPCPAPELLGSPSVFLPPPKEDTLMISTRTPEVTCVVVDVSHEDPEVKFNW 300
Db 241 KSCDKTHTCPPCPAPELLGSPSVFLPPPKEDTLMISTRTPEVTCVVVDVSHEDPEVKFNW 300
Qy 301 YVDGEVHNKTKREBOYNSTYRVSVLTVLHODMNLGKRYCKVSNKALPAIEIKTIS 360
Db 301 YVDGEVHNKTKREBOYNSTYRVSVLTVLHODMNLGKRYCKVSNKALPAIEIKTIS 360
Qy 361 KAKQPREPOVYTLPPSRBEETKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPV 420
Db 361 KAKQPREPOVYTLPPSRBEETKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPV 420
Qy 421 LDSGSEFFLYSKLTVDKSRWQOGNVFSCSVHHEALHNHYTOKSLSLSPGK 470
Db 421 LDSGSEFFLYSKLTVDKSRWQOGNVFSCSVHHEALHNHYTOKSLSLSPGK 470

RESULT 6

US-10-384-933-147
; Sequence 147, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:

APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takashi, Ikuko
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 147
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
US-10-384-933-147

Query Match 99.8%; Score 2512; DB 12; Length 470;
Best Local Similarity 99.6%; Pred. No. 1.2e-165;
Matches 468; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGSCITLFLVATATGVHSQVQLVQSGAEVKKPGASVVSCKASGTFSTYMMQWVKQAP 60
DB 1 MGSCITLFLVATATGVHSQVQLVQSGAEVKKPGASVVSCKASGTFSTYMMQWVKQAP 60
QY 61 GQGLEMMGEIDPSISYNNQKFKGKATITVDISTTAAMELSLRSEDTAVYYCAARNRD 120
DB 61 GQGLEMMGEIDPSISYNNQKFKGKATITVDISTTAAMELSLRSEDTAVYYCAARNRD 120
QY 121 YSNMWYEDWVGQGLLVYSSASTKGPVFLPAPSKTSKSGTALAGCLVNDYFPEPTVS 180
DB 121 YSNMWYEDWVGQGLLVYSSASTKGPVFLPAPSKTSKSGTALAGCLVNDYFPEPTVS 180
QY 181 WNSGALTSQVHTFPALVQSSGLYSLSVTVTPSSSLGTQYICNVNHPKSTNTKVDKVEP 240
DB 181 WNSGALTSQVHTFPALVQSSGLYSLSVTVTPSSSLGTQYICNVNHPKSTNTKVDKVEP 240
QY 241 KSCDKHTCCPCPAPELLGSPSVFLPFPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNW 300
DB 241 KSCDKHTCCPCPAPELLGSPSVFLPFPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNW 300
QY 301 YVDGEVHNAAKTRERQYNSTRVSVLTFLHODMNLNGEKYCKVSNKALPAPIETKIS 360
DB 301 YVDGEVHNAAKTRERQYNSTRVSVLTFLHODMNLNGEKYCKVSNKALPAPIETKIS 360
QY 361 KAKQPREPOVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEWESNGQPENNYKTTTPV 420
DB 361 KAKQPREPOVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEWESNGQPENNYKTTTPV 420
QY 421 LDSGSEFLYSKLTVDKSRWQGVFSCSYVMEHALHNHYTQKSLISLSPGK 470
DB 421 LDSGSEFLYSKLTVDKSRWQGVFSCSYVMEHALHNHYTQKSLISLSPGK 470

RESULT 7
US-10-216-484-117
Sequence 117, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takashi, Ikuko
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484

CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 117
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
US-10-216-484-117

Query Match 99.8%; Score 2512; DB 15; Length 470;
Best Local Similarity 99.6%; Pred. No. 1.2e-165;
Matches 468; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGSCITLFLVATATGVHSQVQLVQSGAEVKKPGASVVSCKASGTFSTYMMQWVKQAP 60
DB 1 MGSCITLFLVATATGVHSQVQLVQSGAEVKKPGASVVSCKASGTFSTYMMQWVKQAP 60
QY 61 GQGLEMMGEIDPSISYNNQKFKGKATITVDISTTAAMELSLRSEDTAVYYCAARNRD 120
DB 61 GQGLEMMGEIDPSISYNNQKFKGKATITVDISTTAAMELSLRSEDTAVYYCAARNRD 120
QY 121 YSNMWYEDWVGQGLLVYSSASTKGPVFLPAPSKTSKSGTALAGCLVNDYFPEPTVS 180
DB 121 YSNMWYEDWVGQGLLVYSSASTKGPVFLPAPSKTSKSGTALAGCLVNDYFPEPTVS 180
QY 181 WNSGALTSQVHTFPALVQSSGLYSLSVTVTPSSSLGTQYICNVNHPKSTNTKVDKVEP 240
DB 181 WNSGALTSQVHTFPALVQSSGLYSLSVTVTPSSSLGTQYICNVNHPKSTNTKVDKVEP 240
QY 241 KSCDKHTCCPCPAPELLGSPSVFLPFPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNW 300
DB 241 KSCDKHTCCPCPAPELLGSPSVFLPFPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNW 300
QY 301 YVDGEVHNAAKTRERQYNSTRVSVLTFLHODMNLNGEKYCKVSNKALPAPIETKIS 360
DB 301 YVDGEVHNAAKTRERQYNSTRVSVLTFLHODMNLNGEKYCKVSNKALPAPIETKIS 360
QY 361 KAKQPREPOVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEWESNGQPENNYKTTTPV 420
DB 361 KAKQPREPOVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEWESNGQPENNYKTTTPV 420
QY 421 LDSGSEFLYSKLTVDKSRWQGVFSCSYVMEHALHNHYTQKSLISLSPGK 470
DB 421 LDSGSEFLYSKLTVDKSRWQGVFSCSYVMEHALHNHYTQKSLISLSPGK 470

RESULT 8
US-10-216-484-147
Sequence 147, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takashi, Ikuko
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 147
LENGTH: 470

TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
US-10-216-484-147

Query Match 99.8%; Score 2512; DB 15; Length 470;
Best Local Similarity 99.6%; Pred. No. 1.2e-165;
Matches 466; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGMSCTLLFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGTFSTSYMOMVQAP 60
DB 1 MGMSCTLLFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGTFSTSYMOMVQAP 60
QY 61 GQGLEMMGEIDPDSSTYNNOKFKGKATITVDSTSTAYMELSLRSEDPAVYYCAARRD 120
DB 61 GQGLEMMGEIDPDSSTYNNOKFKGKATITVDSTSTAYMELSLRSEDPAVYYCAARRD 120
QY 121 YSNMWYDVWGQGLTVTVSSASTKGPVFPLAPSSKSTSGGTALGCLVNDYFPEPTVS 180
DB 121 YSNMWYDVWGQGLTVTVSSASTKGPVFPLAPSSKSTSGGTALGCLVNDYFPEPTVS 180
QY 181 MNSGALTSVHTFPFPAVLQSSGLYSLSVTVTPSSSLGTQYICNVNHPSTKYDKVEP 240
DB 181 MNSGALTSVHTFPFPAVLQSSGLYSLSVTVTPSSSLGTQYICNVNHPSTKYDKVEP 240
QY 241 KSCDKHTCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
DB 241 KSCDKHTCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
QY 301 YVDSGEVHNAKTKREDOYSTYRVSVLTLYHODMNLGKRYKCKVSNKALPADIETIS 360
DB 301 YVDSGEVHNAKTKREDOYSTYRVSVLTLYHODMNLGKRYKCKVSNKALPADIETIS 360
QY 361 KAKQPREPOVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMESNGOPENNYKTTIPV 420
DB 361 KAKQPREPOVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMESNGOPENNYKTTIPV 420
QY 421 LDSDSFLLYSKLTVDKSRWQGVFSCSVHMEALHNHYTKSLSLSPGK 470
DB 421 LDSDSFLLYSKLTVDKSRWQGVFSCSVHMEALHNHYTKSLSLSPGK 470

RESULT 9
US-10-384-933-89
Sequence 89, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
OTHER INFORMATION: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 89
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-89

Query Match 99.3%; Score 2499; DB 12; Length 470;

Best Local Similarity 99.1%; Pred. No. 9.1e-165;
Matches 466; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGMSCTLLFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGTFSTSYMOMVQAP 60
DB 1 MGMSCTLLFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGTFSTSYMOMVQAP 60
QY 61 GQGLEMMGEIDPDSSTYNNOKFKGKATITVDSTSTAYMELSLRSEDPAVYYCAARRD 120
DB 61 GQGLEMMGEIDPDSSTYNNOKFKGKATITVDSTSTAYMELSLRSEDPAVYYCAARRD 120
QY 121 YSNMWYDVWGQGLTVTVSSASTKGPVFPLAPSSKSTSGGTALGCLVNDYFPEPTVS 180
DB 121 YSNMWYDVWGQGLTVTVSSASTKGPVFPLAPSSKSTSGGTALGCLVNDYFPEPTVS 180
QY 181 MNSGALTSVHTFPFPAVLQSSGLYSLSVTVTPSSSLGTQYICNVNHPSTKYDKVEP 240
DB 181 MNSGALTSVHTFPFPAVLQSSGLYSLSVTVTPSSSLGTQYICNVNHPSTKYDKVEP 240
QY 241 KSCDKHTCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
DB 241 KSCDKHTCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
QY 301 YVDSGEVHNAKTKREDOYSTYRVSVLTLYHODMNLGKRYKCKVSNKALPADIETIS 360
DB 301 YVDSGEVHNAKTKREDOYSTYRVSVLTLYHODMNLGKRYKCKVSNKALPADIETIS 360
QY 361 KAKQPREPOVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMESNGOPENNYKTTIPV 420
DB 361 KAKQPREPOVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMESNGOPENNYKTTIPV 420
QY 421 LDSDSFLLYSKLTVDKSRWQGVFSCSVHMEALHNHYTKSLSLSPGK 470
DB 421 LDSDSFLLYSKLTVDKSRWQGVFSCSVHMEALHNHYTKSLSLSPGK 470

RESULT 10
US-10-216-484-89
Sequence 89, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
OTHER INFORMATION: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 89
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-89

Query Match 99.3%; Score 2499; DB 15; Length 470;
Best Local Similarity 99.1%; Pred. No. 9.1e-165;
Matches 466; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGMSCTLLFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGTFSTSYMOMVQAP 60
DB 1 MGMSCTLLFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGTFSTSYMOMVQAP 60
QY 61 GQGLEMMGEIDPDSSTYNNOKFKGKATITVDSTSTAYMELSLRSEDPAVYYCAARRD 120

```
Db 61 GORLEMMGEIDPSSTYNQKFKGKATLTVDTSTAYMELSLRSEDIAVYTCARND 120
Qy 121 YSNMWYDWMGQGLTVYSSASTKGPVSFPLAPSSKSGGTAALGCLVXDYPPEPTVVS 180
Db 121 YSNMWYDWMGQGLTVYSSASTKGPVSFPLAPSSKSGGTAALGCLVXDYPPEPTVVS 180
Qy 181 WNSGALTSGVHTPAVLQSSGLYSLSSVTVVPSSSLGTQTYICNVNHPKSTKVDKVEP 240
Db 181 WNSGALTSGVHTPAVLQSSGLYSLSSVTVVPSSSLGTQTYICNVNHPKSTKVDKVEP 240
Qy 241 KSCDKHTCPCPAPELLGSPVFLFPKPKDITLMSRTPEVTCVVDVSHEDPEVFNW 300
Db 241 KSCDKHTCPCPAPELLGSPVFLFPKPKDITLMSRTPEVTCVVDVSHEDPEVFNW 300
Qy 301 YVDGEVHNAKTKRREQYNSTRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNAKTKRREQYNSTRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTIS 360
Qy 361 KAKQPREPOVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTPEV 420
Db 361 KAKQPREPOVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTPEV 420
Qy 421 LDSGSPFLYSKLTVDKSRWQGVFSCSVMHBAHNYTKSLSPGK 470
Db 421 LDSGSPFLYSKLTVDKSRWQGVFSCSVMHBAHNYTKSLSPGK 470
```

RESULT 11

```
US-10-384-933-157
; Sequence 157, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126C1P/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 157
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed
; OTHER INFORMATION: heavy chain of humanized anti-Fas antibody
US-10-384-933-157
```

Query Match 99.2%; Score 2497; DB 12; Length 470;
Best Local Similarity 98.9%; Pred. No. 1.3e-164;
Matches 465; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

```
Qy 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMQWVQAQ 60
Db 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMQWVQAQ 60
Qy 61 GQGLEMMGEIDPSSTYNQKFKGKATITVDISTSTAYMELSLRSEDIAVYTCARND 120
Db 61 GQGLEMMGEIDPSSTYNQKFKGKATITVDISTSTAYMELSLRSEDIAVYTCARND 120
Qy 121 YSNMWYDWMGQGLTVYSSASTKGPVSFPLAPSSKSGGTAALGCLVXDYPPEPTVVS 180
Db 121 YSNMWYDWMGQGLTVYSSASTKGPVSFPLAPSSKSGGTAALGCLVXDYPPEPTVVS 180
Qy 181 WNSGALTSGVHTPAVLQSSGLYSLSSVTVVPSSSLGTQTYICNVNHPKSTKVDKVEP 240
```

```
Db 181 WNSGALTSGVHTPAVLQSSGLYSLSSVTVVPSSSLGTQTYICNVNHPKSTKVDKVEP 240
Qy 241 KSCDKHTCPCPAPELLGSPVFLFPKPKDITLMSRTPEVTCVVDVSHEDPEVFNW 300
Db 241 KSCDKHTCPCPAPELLGSPVFLFPKPKDITLMSRTPEVTCVVDVSHEDPEVFNW 300
Qy 301 YVDGEVHNAKTKRREQYNSTRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNAKTKRREQYNSTRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTIS 360
Qy 361 KAKQPREPOVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTPEV 420
Db 361 KAKQPREPOVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTPEV 420
Qy 421 LDSGSPFLYSKLTVDKSRWQGVFSCSVMHBAHNYTKSLSPGK 470
Db 421 LDSGSPFLYSKLTVDKSRWQGVFSCSVMHBAHNYTKSLSPGK 470
```

RESULT 12

```
US-10-216-484-157
; Sequence 157, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126C1P/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 157
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed
; OTHER INFORMATION: heavy chain of humanized anti-Fas antibody
US-10-216-484-157
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Query Match 99.2%; Score 2497; DB 15; Length 470;
Best Local Similarity 98.9%; Pred. No. 1.3e-164;
Matches 465; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

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Qy 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMQWVQAQ 60
Db 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMQWVQAQ 60
Qy 61 GQGLEMMGEIDPSSTYNQKFKGKATITVDISTSTAYMELSLRSEDIAVYTCARND 120
Db 61 GQGLEMMGEIDPSSTYNQKFKGKATITVDISTSTAYMELSLRSEDIAVYTCARND 120
Qy 121 YSNMWYDWMGQGLTVYSSASTKGPVSFPLAPSSKSGGTAALGCLVXDYPPEPTVVS 180
Db 121 YSNMWYDWMGQGLTVYSSASTKGPVSFPLAPSSKSGGTAALGCLVXDYPPEPTVVS 180
Qy 181 WNSGALTSGVHTPAVLQSSGLYSLSSVTVVPSSSLGTQTYICNVNHPKSTKVDKVEP 240
Db 181 WNSGALTSGVHTPAVLQSSGLYSLSSVTVVPSSSLGTQTYICNVNHPKSTKVDKVEP 240
Qy 241 KSCDKHTCPCPAPELLGSPVFLFPKPKDITLMSRTPEVTCVVDVSHEDPEVFNW 300
Db 241 KSCDKHTCPCPAPELLGSPVFLFPKPKDITLMSRTPEVTCVVDVSHEDPEVFNW 300
Qy 301 YVDGEVHNAKTKRREQYNSTRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTIS 360
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Db 301 YVDGEVHNAKTREREOYNSTRVSVLTVLHODMLNGKEKCKVSNKALPAPIEKTIS 360
Qy 361 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGFPSDIAVEMESNGOPENNKTTPPV 420
Db 361 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGFPSDIAVEMESNGOPENNKTTPPV 420
Qy 421 LDSGSEFLYSKLTVDKSRWQGNVFCSVHHEALHNHYTKSLSPGK 470
Db 421 LDSGSEFLYSKLTVDKSRWQGNVFCSVHHEALHNHYTKSLSPGK 470

RESULT 13

US-09-825-012-46
; Sequence 46, Application US/09825012
; Patent No. US20020122798A1
; GENERAL INFORMATION:
; APPLICANT: Young, Robert
; TITLE OF INVENTION: Compounds for Targeting
; FILE REFERENCE: 43191-256808
; CURRENT APPLICATION NUMBER: US/09/825,012
; CURRENT FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: US 60/237,159
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: GB 0008049.9
; PRIOR FILING DATE: 2000-04-03
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: Patent version 3.1
; SEQ ID NO 46
; LENGTH: 731
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Humanised HMFg1 heavy chain - DNase I fusion
US-09-825-012-46

Query Match 93.3%; Score 2348.5; DB 10; Length 731;
Best Local Similarity 93.0%; Pred. No. 3.9e-154;
Matches 437; Conservative 20; Mismatches 10; Indels 3; Gaps 1;

Qy 1 MGMSCIILFLVATATGHSOVOLVQSGAEVKKPGASVYVCKASGYTFSTYMQWVKQAP 60
Db 1 MGMSCIILFLVATATGHSOVOLVQSGAEVKKPGASVYVCKASGYTFSAWIMWVQAP 60
Qy 61 GQGLEWGEILDPSSSYNNYNOKEKGAITVDSTSTANWELSLRESDTAIVYICARND 120
Db 61 GQGLEWGEILDPSSSYNNYNOKEKGAITVDSTSTANWELSLRESDTAIVYICARND 120
Qy 121 YSNMWYFDWVGQGLTVVSSASTKGPVFLPAPSSKSTSGGTAALGCLVNDYPEPTVVS 180
Db 121 YSNMWYFDWVGQGLTVVSSASTKGPVFLPAPSSKSTSGGTAALGCLVNDYPEPTVVS 180
Qy 121 PA--WFAVYGGGLTVVSSASTKGPVFLPAPSSKSTSGGTAALGCLVNDYPEPTVVS 177
Db 121 PA--WFAVYGGGLTVVSSASTKGPVFLPAPSSKSTSGGTAALGCLVNDYPEPTVVS 177
Qy 181 WNSGALTSGVHTPFAVLQSSGLYSLSSVTVTPSSSLGTQYICNVNHPKSTKYDKRVEP 240
Db 181 WNSGALTSGVHTPFAVLQSSGLYSLSSVTVTPSSSLGTQYICNVNHPKSTKYDKRVEP 240
Qy 178 WNSGALTSGVHTPFAVLQSSGLYSLSSVTVTPSSSLGTQYICNVNHPKSTKYDKRVEP 237
Db 178 WNSGALTSGVHTPFAVLQSSGLYSLSSVTVTPSSSLGTQYICNVNHPKSTKYDKRVEP 237
Qy 241 KSCDKHTPCPCPAPELLGGPSVFLPPKPDITMISRTEPVTCVVDVSHEDDEVKFNM 300
Db 241 KSCDKHTPCPCPAPELLGGPSVFLPPKPDITMISRTEPVTCVVDVSHEDDEVKFNM 300
Qy 238 KSCDKHTPCPCPAPELLGGPSVFLPPKPDITMISRTEPVTCVVDVSHEDDEVKFNM 297
Db 238 KSCDKHTPCPCPAPELLGGPSVFLPPKPDITMISRTEPVTCVVDVSHEDDEVKFNM 297
Qy 301 YVDGEVHNAKTREREOYNSTRVSVLTVLHODMLNGKEKCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNAKTREREOYNSTRVSVLTVLHODMLNGKEKCKVSNKALPAPIEKTIS 360
Qy 298 YVDGEVHNAKTREREOYNSTRVSVLTVLHODMLNGKEKCKVSNKALPAPIEKTIS 357
Db 298 YVDGEVHNAKTREREOYNSTRVSVLTVLHODMLNGKEKCKVSNKALPAPIEKTIS 357
Qy 361 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGFPSDIAVEMESNGOPENNKTTPPV 420
Db 361 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGFPSDIAVEMESNGOPENNKTTPPV 420
Qy 358 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGFPSDIAVEMESNGOPENNKTTPPV 417
Db 358 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGFPSDIAVEMESNGOPENNKTTPPV 417
Qy 421 LDSGSEFLYSKLTVDKSRWQGNVFCSVHHEALHNHYTKSLSPGK 470
Db 421 LDSGSEFLYSKLTVDKSRWQGNVFCSVHHEALHNHYTKSLSPGK 470
Qy 418 LDSGSEFLYSKLTVDKSRWQGNVFCSVHHEALHNHYTKSLSPGK 467
Db 418 LDSGSEFLYSKLTVDKSRWQGNVFCSVHHEALHNHYTKSLSPGK 467

RESULT 14

US-09-825-012-55
; Sequence 55, Application US/09825012
; Patent No. US20020122798A1
; GENERAL INFORMATION:
; APPLICANT: Young, Robert
; TITLE OF INVENTION: Compounds for Targeting
; FILE REFERENCE: 43191-256808
; CURRENT APPLICATION NUMBER: US/09/825,012
; CURRENT FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: US 60/237,159
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: GB 0008049.9
; PRIOR FILING DATE: 2000-04-03
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: Patent version 3.1
; SEQ ID NO 55
; LENGTH: 741
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Humanised HMFg1 heavy chain - DNase I fusion
US-09-825-012-55

Query Match 93.3%; Score 2348.5; DB 10; Length 741;
Best Local Similarity 93.0%; Pred. No. 4e-154;
Matches 437; Conservative 20; Mismatches 10; Indels 3; Gaps 1;

Qy 1 MGMSCIILFLVATATGHSOVOLVQSGAEVKKPGASVYVCKASGYTFSTYMQWVKQAP 60
Db 1 MGMSCIILFLVATATGHSOVOLVQSGAEVKKPGASVYVCKASGYTFSAWIMWVQAP 60
Qy 61 GQGLEWGEILDPSSSYNNYNOKEKGAITVDSTSTANWELSLRESDTAIVYICARND 120
Db 61 GQGLEWGEILDPSSSYNNYNOKEKGAITVDSTSTANWELSLRESDTAIVYICARND 120
Qy 121 YSNMWYFDWVGQGLTVVSSASTKGPVFLPAPSSKSTSGGTAALGCLVNDYPEPTVVS 180
Db 121 YSNMWYFDWVGQGLTVVSSASTKGPVFLPAPSSKSTSGGTAALGCLVNDYPEPTVVS 180
Qy 121 PA--WFAVYGGGLTVVSSASTKGPVFLPAPSSKSTSGGTAALGCLVNDYPEPTVVS 177
Db 121 PA--WFAVYGGGLTVVSSASTKGPVFLPAPSSKSTSGGTAALGCLVNDYPEPTVVS 177
Qy 181 WNSGALTSGVHTPFAVLQSSGLYSLSSVTVTPSSSLGTQYICNVNHPKSTKYDKRVEP 240
Db 181 WNSGALTSGVHTPFAVLQSSGLYSLSSVTVTPSSSLGTQYICNVNHPKSTKYDKRVEP 240
Qy 178 WNSGALTSGVHTPFAVLQSSGLYSLSSVTVTPSSSLGTQYICNVNHPKSTKYDKRVEP 237
Db 178 WNSGALTSGVHTPFAVLQSSGLYSLSSVTVTPSSSLGTQYICNVNHPKSTKYDKRVEP 237
Qy 241 KSCDKHTPCPCPAPELLGGPSVFLPPKPDITMISRTEPVTCVVDVSHEDDEVKFNM 300
Db 241 KSCDKHTPCPCPAPELLGGPSVFLPPKPDITMISRTEPVTCVVDVSHEDDEVKFNM 300
Qy 238 KSCDKHTPCPCPAPELLGGPSVFLPPKPDITMISRTEPVTCVVDVSHEDDEVKFNM 297
Db 238 KSCDKHTPCPCPAPELLGGPSVFLPPKPDITMISRTEPVTCVVDVSHEDDEVKFNM 297
Qy 301 YVDGEVHNAKTREREOYNSTRVSVLTVLHODMLNGKEKCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNAKTREREOYNSTRVSVLTVLHODMLNGKEKCKVSNKALPAPIEKTIS 360
Qy 298 YVDGEVHNAKTREREOYNSTRVSVLTVLHODMLNGKEKCKVSNKALPAPIEKTIS 357
Db 298 YVDGEVHNAKTREREOYNSTRVSVLTVLHODMLNGKEKCKVSNKALPAPIEKTIS 357
Qy 361 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGFPSDIAVEMESNGOPENNKTTPPV 420
Db 361 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGFPSDIAVEMESNGOPENNKTTPPV 420
Qy 358 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGFPSDIAVEMESNGOPENNKTTPPV 417
Db 358 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGFPSDIAVEMESNGOPENNKTTPPV 417
Qy 421 LDSGSEFLYSKLTVDKSRWQGNVFCSVHHEALHNHYTKSLSPGK 470
Db 421 LDSGSEFLYSKLTVDKSRWQGNVFCSVHHEALHNHYTKSLSPGK 470
Qy 418 LDSGSEFLYSKLTVDKSRWQGNVFCSVHHEALHNHYTKSLSPGK 467
Db 418 LDSGSEFLYSKLTVDKSRWQGNVFCSVHHEALHNHYTKSLSPGK 467

RESULT 15

US-09-825-012-52
; Sequence 52, Application US/09825012
; Patent No. US20020122798A1
; GENERAL INFORMATION:
; APPLICANT: Young, Robert
; TITLE OF INVENTION: Compounds for Targeting
; FILE REFERENCE: 43191-256808
; CURRENT APPLICATION NUMBER: US/09/825,012
; PRIOR APPLICATION NUMBER: US 60/237,159
; PRIOR FILING DATE: 2000-10-02

; PRIOR APPLICATION NUMBER: GB 0008049.9
; PRIOR FILING DATE: 2000-04-03
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 52
; LENGTH: 729
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Humanised HMG1 heavy chain - DNase I fusion
US-09-825-012-52

Query Match 93.1%; Score 2343.5; DB 10; Length 729;

Best Local Similarity 93.0%; Pred. No. 8.6e-154;
Matches 436; Conservative 20; Mismatches 10; Indels 3; Gaps 1;

QY 1 MGWSCIILFLVATATGVHGVOLVOSGAEVKPKGASVSCASGYFTSYMMQWQAP 60
DB 1 MGWSCIILFLVATATGVHGVOLVOSGAEVKPKGASVSCASGYFTSAWIEWRQAP 60
QY 61 GQGLEMMGEIDPDSYTYNOKFKGKATITVDTSTSTAYMELSLRSEDTAVYYCARNRD 120
DB 61 GKGLEMWGEILPGSNNSRYNEKFGKRVTVTRDTSTNTAYMELSLRSEDTAVYYCARSDYD 120
QY 121 YSNMWPEDWQGGTLVTVSSASTKGPVPLAPSKSTSGGTALGCLVKDYFPEPVTVS 180
DB 121 FA--WFAVWQGTLYTVSSASTKGPVPLAPSKSTSGGTALGCLVKDYFPEPVTVS 177
QY 181 MNSGALTSGVTFPAVLQSGLSLSVTVTPSSSLGTQTYICNVNHRKPSNTKVDKRYEP 240
DB 178 MNSGALTSGVTFPAVLQSGLSLSVTVTPSSSLGTQTYICNVNHRKPSNTKVDKRYEP 237
QY 241 KSCDKHTHCPCPAPBELIGPSVFLFPKPKDTLMISRPEVTCVVDVSHEDPEVKENW 300
DB 238 KSCDKHTHCPCPAPBELIGPSVFLFPKPKDTLMISRPEVTCVVDVSHEDPEVKENW 297
QY 301 YVDGEVYHNAKTKREBOYNSTRVSVTLVLDQMLNGKEYKCKVSNKALPAPIEKTIS 360
DB 298 YVDGEVYHNAKTKREBOYNSTRVSVTLVLDQMLNGKEYKCKVSNKALPAPIEKTIS 357
QY 361 KAKGQPRBPQVYTLPPSRHEMTKQVSLTCLVKGFPSDIAVEMESNGQPENNYKTTTPPV 420
DB 358 KAKGQPRBPQVYTLPPSRHEMTKQVSLTCLVKGFPSDIAVEMESNGQPENNYKTTTPPV 417
QY 421 LDSDSFPLYSKLTVDKSRWQGNVFSQSVHREALHNHYTQKSLSLSPG 469
DB 418 LDSDSFPLYSKLTVDKSRWQGNVFSQSVHREALHNHYTQKSLSLSPG 466

Search completed: February 20, 2004, 14:25:39
Job time : 36.6422 secs

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OM protein - protein search, using sw model

Run on: February 20, 2004, 13:23:52 ; Search time 15.5872 Seconds
(without alignments)
1275.794 Million cell updates/sec

Title: US-09-499-662-147

Perfect score: 2517
Sequence: 1 MGNSCILFVATATGVHSQ.....MHEALHNYTKSLSPGK 470

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

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6: /cgn2_6/ptodata/1/1aa/backfile1.pep: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2258	89.7	472	4	US-09-301-593-43 Sequence 43, Appl
2	2235	88.8	449	1	US-08-458-516-13 Sequence 13, Appl
3	2233	88.7	476	2	US-08-378-939-10 Sequence 10, Appl
4	2205.5	87.6	467	3	US-09-049-672A-8 Sequence 8, Appl
5	2203.5	87.5	452	3	US-09-027-449-71 Sequence 71, Appl
6	2203.5	87.5	452	3	US-09-026-985-71 Sequence 71, Appl
7	2203.5	87.5	452	4	US-09-121-952A-71 Sequence 71, Appl
8	2203.5	87.5	452	4	US-09-234-340A-71 Sequence 71, Appl
9	2203	87.5	472	4	US-09-301-593-30 Sequence 30, Appl
10	2174	86.4	468	4	US-09-485-737B-67 Sequence 67, Appl
11	2174	86.4	711	4	US-09-485-737B-90 Sequence 90, Appl
12	2163.5	86.0	454	2	US-07-934-313C-18 Sequence 18, Appl
13	2158.5	85.8	454	2	US-07-934-313C-22 Sequence 22, Appl
14	2158.5	85.8	454	3	US-08-437-642B-22 Sequence 22, Appl
15	2158.5	85.8	454	4	US-08-146-206C-22 Sequence 22, Appl
16	2158.5	85.8	454	5	PCT-US93-07832-22 Sequence 22, Appl
17	2147	85.3	472	4	US-08-793-450-8 Sequence 8, Appl
18	2127	84.5	451	2	US-08-887-352B-14 Sequence 14, Appl
19	2127	84.5	451	3	US-08-887-352B-16 Sequence 16, Appl
20	2127	84.5	451	2	US-08-466-151-65 Sequence 65, Appl
21	2127	84.5	451	3	US-09-109-207C-14 Sequence 14, Appl
22	2127	84.5	451	3	US-09-109-207C-16 Sequence 16, Appl
23	2127	84.5	451	3	US-09-296-005-14 Sequence 14, Appl
24	2127	84.5	451	3	US-09-296-005-16 Sequence 16, Appl
25	2124	84.4	478	3	US-08-487-550-8 Sequence 8, Appl
26	2124	84.4	478	4	US-09-526-098-8 Sequence 8, Appl
27	2119	84.2	451	2	US-08-887-352B-18 Sequence 18, Appl

28	2119	84.2	451	3	US-09-109-207C-18	Sequence 18, Appl
29	2119	84.2	451	3	US-09-282-505-2	Sequence 2, Appl
30	2119	84.2	451	3	US-09-054-255-2	Sequence 2, Appl
31	2119	84.2	451	3	US-09-296-005-18	Sequence 18, Appl
32	2119	84.2	451	4	US-09-282-846-2	Sequence 2, Appl
33	2119	84.2	451	4	US-09-680-145-2	Sequence 8, Appl
34	2108	83.8	453	3	US-08-466-151-8	Sequence 8, Appl
35	2108	83.8	453	4	US-08-466-151-8	Sequence 8, Appl
36	2106.5	83.7	467	2	US-07-916-098A-45	Sequence 45, Appl
37	2105.5	83.7	449	4	US-09-679-397-2	Sequence 2, Appl
38	2105.5	83.7	449	4	US-09-680-148-2	Sequence 2, Appl
39	2105.5	83.7	449	4	US-09-304-465A-2	Sequence 2, Appl
40	2102.5	83.5	552	5	PCT-US93-07832-23	Sequence 23, Appl
41	2099.5	83.4	469	2	US-07-934-373C-23	Sequence 23, Appl
42	2099.5	83.4	469	3	US-08-437-642B-23	Sequence 23, Appl
43	2099.5	83.4	469	4	US-08-146-206C-23	Sequence 23, Appl
44	2096	83.3	451	4	US-09-247-352-3	Sequence 3, Appl
45	2096	83.3	451	4	US-09-466-635-3	Sequence 3, Appl

ALIGNMENTS

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RESULT 1
US-09-301-593-43
; Sequence 43, Application US/09301593A
; Patent No. 6455677
; GENERAL INFORMATION:
; APPLICANT: Park, John E.
; APPLICANT: Garin-Chesa, Pilar
; APPLICANT: Bamberger, Uwe
; APPLICANT: Leger, Olivier
; APPLICANT: Salama, Jose W.
; APPLICANT: Rettig, Wolfgang J.
; TITLE OF INVENTION: PAP-specific Antibody with Improved Productivity
; FILE REFERENCE: 0652.1890001
; CURRENT APPLICATION NUMBER: US/09/301,593A
; EARLIER FILING DATE: 1999-04-29
; EARLIER APPLICATION NUMBER: EP 98107925.4
; EARLIER FILING DATE: 1998-04-30
; EARLIER APPLICATION NUMBER: US 60/086,049
; NUMBER OF SEQ ID NOS: 108
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 43
; LENGTH: 472
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-301-593-43
Query Match      89.7%; Score 2258; DB 4; Length 472;
Best Local Similarity 90.7%; Pred. No. 1e-161;
Matches 429; Conservative 10; Mismatches 30; Indels 4; Gaps 2;
1 MGNSCILFVATATGVHSQVQLVQSGAEYKKPGASVKASCKASGYFTSYMMQVRAOP 60
1 MDWTRFCLLAVALPAGHSQVQLVQSGAEYKKPGASVKASCKASRYFTETITWVAQAP 60
61 GQGLEWGEIDPSDSTYNQKFKGKATLTVDISTAYMELSLRSEDTAVVYCARNR- 119
61 GQRLIEWIGGINPNNGINYNQKFKGRATLTGKASATAYMELSLRSEDTAVVYCARRI 120
120 --DYSNNWYEDVWCQGLTVVSSASTGSPVFLPLAPSSKTSGGTALGCLVKDYFPEPV 177
121 AYGDDEGHANDYWCQGLTVVSS--STGKPSVFPLAPSSKTSGGTALGCLVKDYFPEPV 179
178 TVSNWNGALTSVTPPAVLAQSLGYSLVVTPSSLTGQTYICVNNHPSWTKYDKR 237
180 TVSNWNGALTSVTPPAVLAQSLGYSLVVTPSSLTGQTYICVNNHPSWTKYDKK 239
238 VEPKCDKHTTCCPCPAPELLGSPVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVK 297
240 VEPKCDKHTTCCPCPAPELLGSPVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVK 299
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QY 298 FNNYVDGEVYNAKTKREBOYNSTYRVSVLTJVLHODWLNKKEYKCKVSNKALPAPLEK 357
| | | | |
DB 300 FNNYVDGEVYNAKTKREBOYNSTYRVSVLTJVLHODWLNKKEYKCKVSNKALPAPLEK 359
| | | | |
QY 358 TISKAKQPREPOVYTLTPSPREBTKNOVSLTCLVKGFYPSDIAVEMESNQPENNYKTT 417
| | | | |
DB 360 TISKAKQPREPOVYTLTPSPREBTKNOVSLTCLVKGFYPSDIAVEMESNQPENNYKTT 419
| | | | |
QY 418 PVLVDGSGFPLVSKLTVDKSRMOQGNVFGSCVMHEALHNHYTOKSLSPGK 470
| | | | |
DB 420 PVLVDGSGFPLVSKLTVDKSRMOQGNVFGSCVMHEALHNHYTOKSLSPGK 472
| | | | |

RESULT 2

US-08-458-516-13
; Sequence 13, Application US/08458516
; Patent No. 5777085
; GENERAL INFORMATION:
; APPLICANT: Co, Man Sung
; APPLICANT: Tso, J. Yun
; TITLE OF INVENTION: Humanized Antibodies Reactive with
; TITLE OF INVENTION: GPIIB/IIIA
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: William M. Smith
; STREET: One Market Plaza, Steuart Tower, Suite 2000
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/458, 516
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/059,159
; FILING DATE: 03-MAY-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, William M.
; REGISTRATION NUMBER: 30,223
; REFERENCE/DOCKET NUMBER: 11823-37-3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 449 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-458-516-13

Query Match 88.8%; Score 2235; DB 1; Length 449;
Best Local Similarity 93.3%; Pred. No. 5.2e-160;
Matches 421; Conservative 13; Mismatches 15; Indels 2; Gaps 2;

QY 20 QVQLVQSGAEYKKGASVYSCSKASGYFTSYMQWVRQAPGQGLEMMGELIDPSDYN 79
| | | | |
DB 1 QVQLVQSGAEYKKGASVYSCSKASGYFTSYMQWVRQAPGQGLEMMGELIDPSDYN 60
| | | | |
QY 80 NQKRGKATLVTDSTAYVMEISLRSEDPAVYVCANRPDYSNNWYFDVWGQGLTVVS 139
| | | | |
DB 61 NEKKRGKATLVTDSTAYVMEISLRSEDPAVYFCAR-RQGNVGM-FAYYQGGTLTVVS 118
| | | | |
QY 140 SASTKGSPVFPPLAPSSKSTSGGTALGCLVYDPEPEPTVWNSGALTSGVHTPAVLQS 199
| | | | |

DB 119 SASTKGSPVFPPLAPSSKSTSGGTALGCLVYDPEPEPTVWNSGALTSGVHTPAVLQS 178
| | | | |
QY 200 SGLYSLSVTVTPSSSLGTQTYICNVNHRKPSNTRKVDKRVKPSKCDKTHTCPCPAPELLG 259
| | | | |
DB 179 SGLYSLSVTVTPSSSLGTQTYICNVNHRKPSNTRKVDKRVKPSKCDKTHTCPCPAPELLG 238
| | | | |
QY 260 GPSVFLPFPKPKDTLMISRPEVTCVVDVSHDPEVKFNWYVDGVVHNAKTKPREQY 319
| | | | |
DB 239 GPSVFLPFPKPKDTLMISRPEVTCVVDVSHDPEVKFNWYVDGVVHNAKTKPREQY 298
| | | | |
QY 320 NSTYRVSVTLTVHODWLNKKEYKCKVSNKALPAPLEKTSKAKGQPREPOVYTLTPSPRE 379
| | | | |
DB 299 NSTYRVSVTLTVHODWLNKKEYKCKVSNKALPAPLEKTSKAKGQPREPOVYTLTPSPRE 358
| | | | |
QY 380 EMTKNQVSLTCLVKGFYPSDIAVEMESNQPENNYKTTPEVLDSGFFLYSKLTVDKSR 439
| | | | |
DB 359 ELTKNQVSLTCLVKGFYPSDIAVEMESNQPENNYKTTPEVLDSGFFLYSKLTVDKSR 418
| | | | |
QY 440 WQGNVFGSCVMHEALHNHYTOKSLSPGK 470
| | | | |
DB 419 WQGNVFGSCVMHEALHNHYTOKSLSPGK 449
| | | | |

RESULT 3

US-08-378-939-10
; Sequence 10, Application US/08378939
; Patent No. 5876961
; GENERAL INFORMATION:
; APPLICANT: CROWE, JAMES SCOTT
; APPLICANT: LEWIS, ALAN PETER
; TITLE OF INVENTION: PRODUCTION OF ANTIBODIES
; NUMBER OF SEQUENCES: 46
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ROTHWELL, PIGG, ERNST & KURZ
; STREET: 555 THIRTEENTH ST. N.W.
; CITY: WASHINGTON
; STATE: D. C.
; COUNTRY: U.S.
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/378,939
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/952640
; FILING DATE: 01-DEC-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: ERNST, BARBARA G
; REGISTRATION NUMBER: 30,377
; REFERENCE/DOCKET NUMBER: 1808-118
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 783-6040
; TELEFAX: (202) 783-6031
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 476 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-378-939-10

Query Match 88.7%; Score 2233; DB 2; Length 476;
Best Local Similarity 88.7%; Pred. No. 7.2e-160;
Matches 422; Conservative 20; Mismatches 28; Indels 6; Gaps 1;

QY 1 MGNSCTILFLVATATGYHSQVQLVQSGAEYKKGASVYSCSKASGYFTSYMQWVRQAP 60
| | | | |
DB 1 MDWTMRFLFVVAATGVQSQVQSGAEYKKGASVYSCSKASGYFTSYNALISWVRQAP 60
| | | | |

APPLICANT: Zapata, Gerardo A.
TITLE OF INVENTION: METHODS OF TREATING INFLAMMATORY DISEASES
TITLE OF INVENTION: WITH ANTI-IL-8 ANTIBODY FRAGMENT-POLYMER CONJUGATES
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/121,952A
FILING DATE: 24-Jul-1998
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/074330
FILING DATE: 22-JAN-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/075467
FILING DATE: 20-FEB-1998
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P1085R4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 452 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-09-121-952A-71

Query Match 87.5%; Score 2203.5; DB 4; Length 452;
Best Local Similarity 90.3%; Pred. No. 1.2e-157;
Matches 408; Conservative 26; Mismatches 17; Indels 1; Gaps 1;

QY 20 QVQLVQSGAEYKKGASVKNSCKASGTFSTYMMQMWRQAPGGGLEMMGELIDPSDSTNY 79
DB 1 EVQLVQSGGGLVQPGGSLRLSCAASGYSFSSHYMHWYQAQPGKLEWVGYPDPSNGETTY 60
QY 80 NQKFKGATLTVDSTSTAYMELSLRSEDTAVYYCAR-NRDYSNNWYFDVWGQGLTAVT 138
DB 61 NQKFKGFTLSRDNSKNTAYLQNMNSLRSEDTAVYYCARGDYRNGDMWFFDVWGQGLTAVT 120
QY 139 SSASTKGPSPVPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQ 198
DB 121 SSASTKGPSPVPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQ 180
QY 199 SSGIYSLSSVTVVSSSLIGTQTYICNVNHPKSNTRKVDKRVKPSGCDKHTHTPCPAPRL 258
DB 181 SSGIYSLSSVTVVSSSLIGTQTYICNVNHPKSNTRKVDKRVKPSGCDKHTHTPCPAPRL 240
QY 259 GGPSPVLPPEPKKDTIMSRPEVTCVAVDVSHDEPEKFMWYVDGVVNAKTRPREQ 318
DB 241 GGPSPVLPPEPKKDTIMSRPEVTCVAVDVSHDEPEKFMWYVDGVVNAKTRPREQ 300
QY 319 YNSTYRVSVLTVLHODWLNKGEYKCVSNRPAPIEKTISKAKGQPREPQVYTLPPSR 378
DB 301 YNSTYRVSVLTVLHODWLNKGEYKCVSNRPAPIEKTISKAKGQPREPQVYTLPPSR 360
QY 379 EEMTKNOVSLTCLVKGFPSPDIAYEWESNGQPENNYKTTTPYLLSDSGSFLYSKLTVDKS 438
DB 361 EEMTKNOVSLTCLVKGFPSPDIAYEWESNGQPENNYKTTTPYLLSDSGSFLYSKLTVDKS 420
QY 439 RWQGNVPSGVMEALHNHYTQKSLSLSPGK 470

DB 421 RWQGNVPSGVMEALHNHYTQKSLSLSPGK 452

RESULT 8
US-09-234-340A-71
Sequence 71, Application US/09234340A
Patent No. 6468532
GENERAL INFORMATION:
APPLICANT: Genentech, Inc., Hsei, Vanessa
APPLICANT: Koumenis, Iphigenia
APPLICANT: Leong, Steven R.
APPLICANT: Presta, Leonard G.
APPLICANT: Shatrokh, Zahra
APPLICANT: Zapata, Gerardo A.
TITLE OF INVENTION: METHODS OF TREATING INFLAMMATORY DISEASES
TITLE OF INVENTION: WITH ANTI-IL-8 ANTIBODY FRAGMENT-POLYMER CONJUGATES
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/234,340A
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/121,952
FILING DATE: 24-Jul-1998
APPLICATION NUMBER: 60/074330
FILING DATE: 22-JAN-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/075467
FILING DATE: 20-FEB-1998
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P1085R4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 452 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-09-234-340A-71

Query Match 87.5%; Score 2203.5; DB 4; Length 452;
Best Local Similarity 90.3%; Pred. No. 1.2e-157;
Matches 408; Conservative 26; Mismatches 17; Indels 1; Gaps 1;

QY 20 QVQLVQSGAEYKKGASVKNSCKASGTFSTYMMQMWRQAPGGGLEMMGELIDPSDSTNY 79
DB 1 EVQLVQSGGGLVQPGGSLRLSCAASGYSFSSHYMHWYQAQPGKLEWVGYPDPSNGETTY 60
QY 80 NQKFKGATLTVDSTSTAYMELSLRSEDTAVYYCAR-NRDYSNNWYFDVWGQGLTAVT 138
DB 61 NQKFKGFTLSRDNSKNTAYLQNMNSLRSEDTAVYYCARGDYRNGDMWFFDVWGQGLTAVT 120
QY 139 SSASTKGPSPVPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQ 198
DB 121 SSASTKGPSPVPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQ 180
QY 199 SSGIYSLSSVTVVSSSLIGTQTYICNVNHPKSNTRKVDKRVKPSGCDKHTHTPCPAPRL 258

181 SSGIYSSIVTVSSSSIGTQYICNVHMKSPNTKVKPKSCDKHTPCPAPBEL 240
QY 259 GGBPVFLPPPKKOTLMISRTPEVTCVVVDVSHEDPEVKFMWYDGVENHAKTKPREQ 318
Db 241 GGBPVFLPPPKKOTLMISRTPEVTCVVVDVSHEDPEVKFMWYDGVENHAKTKPREQ 300
QY 319 YNSTYRVSVVLTVLHODMLNGEKYCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSR 378
Db 301 YNSTYRVSVVLTVLHODMLNGEKYCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSR 360
QY 379 EEMTKNOVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTPVLDSGFFLYSKLTVDKS 438
Db 361 EEMTKNOVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTPVLDSGFFLYSKLTVDKS 420
QY 439 RMOQGNVFCSCVMEALHNHYTQKSLSLSPGK 470
Db 421 RMOQGNVFCSCVMEALHNHYTQKSLSLSPGK 452

RESULT 9

US-09-301-593-30
; Sequence 30, Application US/09301593A
; Patent No. 6455677
; GENERAL INFORMATION:
; APPLICANT: Park, John E.
; APPLICANT: Garin-Chees, Pilar
; APPLICANT: Bamberger, Uwe
; APPLICANT: Leger, Olivier
; APPLICANT: Saldana, Jose W.
; APPLICANT: Rettig, Wolfgang J.
; TITLE OF INVENTION: FAP-specific Antibody with improved Producibility
; FILE REFERENCE: 0652.1890001
; CURRENT APPLICATION NUMBER: US/09/301.593A
; CURRENT FILING DATE: 1999-04-29
; EARLIER APPLICATION NUMBER: EP 98107925.4
; EARLIER FILING DATE: 1998-04-30
; EARLIER APPLICATION NUMBER: US 60/086,049
; EARLIER FILING DATE: 1998-05-18
; NUMBER OF SEQ ID NOS: 108
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 30
; LENGTH: 472
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-301-593-30

Query Match 87.5%; Score 2203; DB 4; Length 472;

Best Local Similarity 88.2%; Pred. No. 1.4e-157;
Matches 417; Conservative 18; Mismatches 34; Indels 4; Gaps 2;

QY 1 MGWNCILFLVATATGVHSQVQVVGAEVKKPKGASVVSCKASGYFTSYMMQWVQAP 60
Db 1 MGWNCILFLVATATGVHSQVQVVGAEVKKPKGASVVSCKASGYFTSYMMQWVQAP 60
QY 61 GGGLEMMGEIDPSDYTNVNOKFKGKATLTVDSTSTAYMELSLRSEDTAVYYCARNR- 119
Db 61 GGGLEMMGEIDPSDYTNVNOKFKGKATLTVDSTSTAYMELSLRSEDTAVYYCARNR- 120
QY 120 --DYSNNWYDPDWQGLTVTVSSASTKGPVFPPLAPSSKSTSGGTAALGCLVKDYFPEPV 177
Db 121 AYGDDEGHADWDYQGTSTVTVSS--STKGPVFPPLAPSSKSTSGGTAALGCLVKDYFPEPV 179
QY 178 TVSNWNSGALTSQVTFPAPVAVLOSSGLYSLSVTVVSSSLGTQYICNVNHRKSNLTKDKR 237
Db 180 TVSNWNSGALTSQVTFPAPVAVLOSSGLYSLSVTVVSSSLGTQYICNVNHRKSNLTKDKR 239
QY 238 VEPKSCDKHTPCPAPBELIGSPVFLPPPKKOTLMISRTPEVTCVVVDVSHEDPEVK 297
Db 240 VEPKSCDKHTPCPAPBELIGSPVFLPPPKKOTLMISRTPEVTCVVVDVSHEDPEVK 299
QY 298 FNNYVDGEVHNATKPREEQYNSTYRVSVVLTVLHODMLNGEKYCKVSNKALPAPIEK 357

Db 300 FNNYVDGEVHNATKPREEQYNSTYRVSVVLTVLHODMLNGEKYCKVSNKALPAPIEK 359
QY 358 TISKAKGQPREPOVYTLPPSRSEEMTKNOVSLTCLVKGFPYSDIAVEMESNGQPENNYKT 417
Db 360 TISKAKGQPREPOVYTLPPSRSEEMTKNOVSLTCLVKGFPYSDIAVEMESNGQPENNYKT 419
QY 418 PVLDSGFFLYSKLTVDKSRMOQGNVFCSCVMEALHNHYTQKSLSLSPGK 470
Db 420 PVLDSGFFLYSKLTVDKSRMOQGNVFCSCVMEALHNHYTQKSLSLSPGK 472

RESULT 10

US-09-485-737B-67
; Sequence 67, Application US/09485737B
; Patent No. 6350860
; GENERAL INFORMATION:
; APPLICANT: Buyse, Marie-Ange
; APPLICANT: Sablon, Erwin
; TITLE OF INVENTION: INTERFERON-gamma-BINDING MOLECULES FOR TREATING SEPTIC SHOCK,
; FILE REFERENCE: INNS:015
; CURRENT APPLICATION NUMBER: US/09/485.737B
; CURRENT FILING DATE: 2000-02-14
; PRIOR APPLICATION NUMBER: PCT/EP 98/05165
; PRIOR FILING DATE: 1998-08-14
; PRIOR APPLICATION NUMBER: EPO 98870139.7
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: EPO 97870122.5
; NUMBER OF SEQ ID NOS: 104
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 67
; LENGTH: 468
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: SYNTHETIC
US-09-485-737B-67

Query Match 86.4%; Score 2174; DB 4; Length 468;

Best Local Similarity 88.0%; Pred. No. 2.1e-155;
Matches 409; Conservative 21; Mismatches 31; Indels 4; Gaps 1;

QY 6 IILFLVATATGVHSQVQVVGAEVKKPKGASVVSCKASGYFTSYMMQWVQAPGQGLE 65
Db 7 IIFSLIASAVIISQVQVVGAEVKKPKGASVVSCKASGYFTSYMMQWVQAPGQGLE 66
QY 66 WMGEIDPSDYTNVNOKFKGKATLTVDSTSTAYMELSLRSEDTAVYYCARNDYNNW 125
Db 67 WMGEIDPSDYTNVNOKFKGKATLTVDSTSTAYMELSLRSEDTAVYYCARNDYNNW 123
QY 126 YFDVWQGLTVTVSSASTKGPVFPPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSNWGA 185
Db 124 -MDTWGGGTTVTVSSASTKGPVFPPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSNWGA 182
QY 186 LTSQVHFFPAPVAVLOSSGLYSLSVTVVSSSLGTQYICNVNHRKSNLTKDKRVEPKS 245
Db 183 LTSQVHFFPAPVAVLOSSGLYSLSVTVVSSSLGTQYICNVNHRKSNLTKDKRVEPKS 242
QY 246 THTCPCPAPBELIGSPVFLPPPKKOTLMISRTPEVTCVVVDVSHEDPEVKFMWYDGV 305
Db 243 THTCPCPAPBELIGSPVFLPPPKKOTLMISRTPEVTCVVVDVSHEDPEVKFMWYDGV 302
QY 306 EVHNATKPREEQYNSTYRVSVVLTVLHODMLNGEKYCKVSNKALPAPIEKTISKAKG 365
Db 303 EVHNATKPREEQYNSTYRVSVVLTVLHODMLNGEKYCKVSNKALPAPIEKTISKAKG 362
QY 366 PREPOVYTLPPSRSEEMTKNOVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTPVLDSG 425
Db 363 PREPOVYTLPPSRSEEMTKNOVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTPVLDSG 422
QY 426 SFPLYSKLTVDKSRMOQGNVFCSCVMEALHNHYTQKSLSLSPGK 470

Db 423 SFPLYSKLTVDKSRMOQNVFSCSVMEHALHNHYTOKSLSPGK 467

RESULT 11

US-09-485-737B-90

Sequence 90, Application US/09485737B

Patent No. 6350860

GENERAL INFORMATION:

APPLICANT: Buysse, Marie-Ange

APPLICANT: Sablon, Erwin

TITLE OF INVENTION: INTERFERON-gamma-BINDING MOLECULES FOR TREATING SEPTIC SHOCK,

TITLE OF INVENTION: CACHEXIA, IMMUNE DISEASES AND SKIN DISORDERS

FILE REFERENCE: INNS:015

CURRENT APPLICATION NUMBER: US/09/485,737B

CURRENT FILING DATE: 2000-02-14

PRIOR APPLICATION NUMBER: PCT/EP 98/05165

PRIOR FILING DATE: 1998-08-14

PRIOR APPLICATION NUMBER: EPO 98870139.7

PRIOR FILING DATE: 1998-06-18

PRIOR APPLICATION NUMBER: EPO 97870122.5

PRIOR FILING DATE: 1997-08-18

NUMBER OF SEQ ID NOS: 104

SOFTWARE: PatentIn version 3.0

SEQ ID NO 90

LENGTH: 711

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: SYNTHETIC

US-09-485-737B-90

Query Match 86.4%; Score 2174; DB 4; Length 711;

Best Local Similarity 88.0%; Pred. No. 3.6e-155; Matches 409; Conservative 21; Mismatches 31; Indels 4; Gaps 1;

Qy 6 IILFLVATGVSQVQVLVOSGAEVKKPKGASVSKASGTYFTSYMMQWROAPGQGLE 65

Db 7 IFSFLIASAVISLQVLVOSGSELKKPKGASVSKASGTYFTDYGNMVKQAPGGLK 66

Qy 66 WNGEIDPSDTYNNQKFKATLTVDTSSTAYMELSLRSEDTAVYVCARRNDYSNNW 125

Db 67 WNGINITYGSESTVDVDFKGRFVPSLDTSVSAALQISLRAEDTATYFCARRGFYA-- 123

Qy 126 YFDVWGGTLVTVSSASTKGPVFLPAPSSKTSGGTALGCLVKDYPPEVTVSNMGA 185

Db 124 -MDYWGGLTVTVSSASTKGPVFLPAPSSKTSGGTALGCLVKDYPPEVTVSNMGA 182

Qy 186 LTSQVHTFPAVLQSSGLYSLSVTVTPSSSLGTQYIICNVNKKPSNTKVDKRVKPSGDK 245

Db 183 LTSQVHTFPAVLQSSGLYSLSVTVTPSSSLGTQYIICNVNKKPSNTKVDKRVKPSGDK 242

Qy 246 THTCPCPAPBLGSPVFLPFPKPKDTLMSRTPEVTCVVVDVSHEDPEVKFWMYVDGV 305

Db 243 THTCPCPAPBLGSPVFLPFPKPKDTLMSRTPEVTCVVVDVSHEDPEVKFWMYVDGV 302

Qy 306 EVNNAKTPREBOYNSTYRVVSUVTJVLHODWLNGKEYKCKVSNKALPAPIEKTISKAKG 365

Db 303 EVNNAKTPREBOYNSTYRVVSUVTJVLHODWLNGKEYKCKVSNKALPAPIEKTISKAKG 362

Qy 366 PREBOVTVLPSPREEMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTPPVLDSDG 425

Db 363 PREBOVTVLPSPREEMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTPPVLDSDG 422

Qy 426 SFPLYSKLTVDKSRMOQNVFSCSVMEHALHNHYTOKSLSPGK 470

Db 423 SFPLYSKLTVDKSRMOQNVFSCSVMEHALHNHYTOKSLSPGK 467

RESULT 12

US-09-301-593-18

Sequence 18, Application US/09301593A

Patent No. 6455677

GENERAL INFORMATION:

APPLICANT: Park, John E.

APPLICANT: Garin-Chees, Pilar

APPLICANT: Bamberger, Uwe

APPLICANT: Leger, Olivier

APPLICANT: Saldanna, Jose W.

TITLE OF INVENTION: PAP-specific Antibody with Improved Productibility

FILE REFERENCE: 0652.1890001

CURRENT APPLICATION NUMBER: US/09/301,593A

CURRENT FILING DATE: 1999-04-29

EARLIER APPLICATION NUMBER: EP 98107925.4

EARLIER FILING DATE: 1998-04-30

EARLIER APPLICATION NUMBER: US 60/086,049

EARLIER FILING DATE: 1998-05-18

NUMBER OF SEQ ID NOS: 108

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 18

LENGTH: 453

TYPE: PRT

ORGANISM: Homo sapiens

US-09-301-593-18

Query Match 86.0%; Score 2163.5; DB 4; Length 453;

Best Local Similarity 90.1%; Pred. No. 1.2e-154; Matches 408; Conservative 14; Mismatches 28; Indels 3; Gaps 1;

Qy 21 VOLVOSGAEVKKPKASATYVSKASGTYFTSYMMQWROAPGQGLEMMGEIDPSDTYNN 80

Db 1 VOLQOSGPELVKPKASATYVSKASGTYFTSYMMQWROAPGQGLEMMGEIDPSDTYNN 60

Qy 81 QKFKGKATLTVDTSSTAYMELSLRSEDTAVYVCARRNDYSNNMWFPVWGGTLVTV 137

Db 61 QKFKGKATLTVYKSSSTAYMELSLRSEDTAVYVCARRNDYSNNMWFPVWGGTLVTV 120

Qy 138 VSSASTKGPVFLPAPSSKTSGGTALGCLVKDYPPEVTVSNMGA LSGVHTFPAVL 197

Db 121 VSSASTKGPVFLPAPSSKTSGGTALGCLVKDYPPEVTVSNMGA LSGVHTFPAVL 180

Qy 198 QSSGLYSLSVTVTPSSSLGTQYIICNVNKKPSNTKVDKRVKPSGDKTHTCPCPAPBL 257

Db 181 QSSGLYSLSVTVTPSSSLGTQYIICNVNKKPSNTKVDKRVKPSGDKTHTCPCPAPBL 240

Qy 258 LGSPVFLPFPKPKDTLMSRTPEVTCVVVDVSHEDPEVKFWMYVDGVENNAKTPREE 317

Db 241 LGSPVFLPFPKPKDTLMSRTPEVTCVVVDVSHEDPEVKFWMYVDGVENNAKTPREE 300

Qy 318 QYNSTYRVVSUVTJVLHODWLNGKEYKCKVSNKALPAPIEKTISKAKGPREBOVTVLPSP 377

Db 301 QYNSTYRVVSUVTJVLHODWLNGKEYKCKVSNKALPAPIEKTISKAKGPREBOVTVLPSP 360

Qy 378 REEMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTPPVLDSDGSFPLYSKLTVDK 437

Db 361 REEMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTPPVLDSDGSFPLYSKLTVDK 420

Qy 438 SRMOQNVFSCSVMEHALHNHYTOKSLSPGK 470

Db 421 SRMOQNVFSCSVMEHALHNHYTOKSLSPGK 453

RESULT 13

US-07-934-373C-22

Sequence 22, Application US/07934373C

Patent No. 5821337

GENERAL INFORMATION:

APPLICANT: Paul J. Carter

APPLICANT: Leonard G. Presta

TITLE OF INVENTION: Immunoglobulin Variants

NUMBER OF SEQUENCES: 48

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 1 DNA Way

CITY: South San Francisco

STATE: California

Qy	Qy	Dy
377	SRERMTKNGVSLTLCVKGCFPSDIAIEMSMNQPPNNKTTTP	436
361	SREEMTKNGVSLTLCVKGCFPSDIAIEMSMNQPPNNKTTTP	420
437	KSRMOQGNVPSGVMEHALNHYTKSLSLSGK	470
421	KSRMOQGNVPSGVMEHALNHYTKSLSLSGK	454

RESULT 15
US-08-146-206C-22

```

GENERAL INFORMATION:
APPLICANT: Carter, Paul J.
APPLICANT: Presta, Leonard G.
TITLE OF INVENTION: Method for Making Humanized Antibodies
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/146 206C
FILING DATE: 17-NO. 6407213-1993
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/715272
FILING DATE: 14-JUN-1991
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER: 40,378
REFERENCE/DOCKET NUMBER: P0709P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1994
TELEFAX: 650/952-9861
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 454 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-146-206C-22

```

Query Match	85.8%	Score 2158.5	DB 4	Length 454
Best Local Similarity	89.2%	Pred. No. 2.9e-154		
Matches 405	Conservative 18	Mismatches 28	Indels 3	Gaps 1

257	LLGGPVSFLFPPPKQDTLMISRTPEAVTCVVVDVSHEDPEVKFNMYDQGVENNAKTPRE	316
Dy		
Dz		
Ey		
Ez		
Fy		
Fz		
Gy		
Gz		
Hy		
Hz		
Iy		
Iz		
Jy		
Jz		
Ky		
Kz		
Ly		
Lz		
My		
Mz		
Ny		
Nz		
Oy		
Oz		
Py		
Pz		
Qy		
Qz		
Ry		
Rz		
Sy		
Sz		
Ty		
Tz		
Uy		
Uz		
Vy		
Vz		
Wy		
Wz		
Xy		
Xz		
Yy		
Yz		
Zy		
Zz		

Db	241	LLGGPVSFLPPKPKDPTLMI	SRTPEVTCVVVDVSHDEPEV	KENNYVDGVENNAKTPRE	3000
Qy	317	EQNSTYRVSVLTVLHODPLNG	KEKCKVSNKALPAIEKTTISK	AKGQPREPVYTLPP	376
Db	301	EQNSTYRVSVLTVLHODPLNG	KEKCKVSNKALPAIEKTTISK	AKGQPREPVYTLPP	360
Qy	377	SREEMTKNOVSLTCLVKGFP	SPSDIAVEMNSGQPENNYKTT	PVYLDSDGSFFLYSKLTV	436
Db	361	SREEMTKNOVSLTCLVKGFP	SPSDIAVEMNSGQPENNYKTT	PVYLDSDGSFFLYSKLTV	420
Qy	437	KSRWQGNVPSCSVNHEALHN	HYTKSLSLSPGK	470	
Db	421	KSRWQGNVPSCSVNHEALHN	HYTKSLSLSPGK	454	

Search completed: February 20, 2004, 13:35:11
Job time : 16.5872 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: February 20, 2004, 13:31:02 ; Search time 35.6422 Seconds
(without alignments)
2761.047 Million cell1 updates/sec

Title: US-09-499-662-147

Perfect score: 2517
Sequence: 1 MGNMSTLFLVATATGVHSO.....MHEALNHHTQKSLSLSPGK 470

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 801455 seqs, 209382283 residues

Total number of hits satisfying chosen parameters: 801455

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database :

Published Applications AA:*

- 1: /cgn2_6/ptodata/1/pubppa/US07_PUBCOMB.pep:*
- 2: /cgn2_6/ptodata/1/pubppa/PCr_NEW_PUB.pep:*
- 3: /cgn2_6/ptodata/1/pubppa/US06_NEW_PUB.pep:*
- 4: /cgn2_6/ptodata/1/pubppa/US06_PUBCOMB.pep:*
- 5: /cgn2_6/ptodata/1/pubppa/PCrUS_NEW_PUB.pep:*
- 6: /cgn2_6/ptodata/1/pubppa/PCrUS_PUBCOMB.pep:*
- 7: /cgn2_6/ptodata/1/pubppa/US08_NEW_PUB.pep:*
- 8: /cgn2_6/ptodata/1/pubppa/US08_PUBCOMB.pep:*
- 9: /cgn2_6/ptodata/1/pubppa/US09_PUBCOMB.pep:*
- 10: /cgn2_6/ptodata/1/pubppa/US09B_PUBCOMB.pep:*
- 11: /cgn2_6/ptodata/1/pubppa/US09C_PUBCOMB.pep:*
- 12: /cgn2_6/ptodata/1/pubppa/US09_NEW_PUB.pep:*
- 13: /cgn2_6/ptodata/1/pubppa/US10A_PUBCOMB.pep:*
- 14: /cgn2_6/ptodata/1/pubppa/US10B_PUBCOMB.pep:*
- 15: /cgn2_6/ptodata/1/pubppa/US10C_PUBCOMB.pep:*
- 16: /cgn2_6/ptodata/1/pubppa/US10_NEW_PUB.pep:*
- 17: /cgn2_6/ptodata/1/pubppa/US60_NEW_PUB.pep:*
- 18: /cgn2_6/ptodata/1/pubppa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2517	100.0	470	US-10-384-933-147	Sequence 147, App
2	2517	100.0	470	US-10-216-484-147	Sequence 147, App
3	2514	99.9	470	US-10-384-933-143	Sequence 143, App
4	2514	99.9	470	US-10-216-484-143	Sequence 143, App
5	2512	99.8	470	US-10-384-933-145	Sequence 145, App
6	2512	99.8	470	US-10-216-484-145	Sequence 145, App
7	2511	99.8	470	US-10-384-933-117	Sequence 117, App
8	2511	99.8	470	US-10-216-484-117	Sequence 117, App
9	2498	99.2	470	US-10-384-933-157	Sequence 89, App1
10	2498	99.2	470	US-10-384-933-157	Sequence 157, App1
11	2498	99.2	470	US-10-216-484-89	Sequence 89, App1
12	2498	99.2	470	US-10-216-484-157	Sequence 157, App1
13	2349.5	93.3	731	US-09-825-012-46	Sequence 46, App1
14	2349.5	93.3	741	US-09-825-012-55	Sequence 55, App1
15	2344.5	93.1	729	US-09-825-012-52	Sequence 52, App1

16	2344.5	93.1	739	10	US-09-825-012-61	Sequence 61, App1
17	2338.5	92.9	730	10	US-09-825-012-48	Sequence 49, App1
18	2338.5	92.9	740	10	US-09-825-012-58	Sequence 58, App1
19	2285.5	90.8	469	12	US-10-377-121-18	Sequence 18, App1
20	2280.5	90.6	469	12	US-10-377-121-22	Sequence 22, App1
21	2267	90.1	476	12	US-10-225-108A-16	Sequence 16, App1
22	2267	90.1	476	12	US-10-461-148-9	Sequence 9, App1
23	2261.5	89.8	467	12	US-10-353-708-41	Sequence 41, App1
24	2261.5	89.8	467	12	US-10-353-708-47	Sequence 47, App1
25	2261.5	89.8	467	12	US-10-353-708-59	Sequence 59, App1
26	2261.5	89.8	467	15	US-10-171-452A-41	Sequence 41, App1
27	2261.5	89.8	467	15	US-10-171-452A-47	Sequence 47, App1
28	2261.5	89.8	467	15	US-10-171-452A-59	Sequence 59, App1
29	2258.5	89.7	467	12	US-10-353-708-53	Sequence 53, App1
30	2258.5	89.7	467	15	US-10-171-452A-53	Sequence 53, App1
31	2258	89.7	472	12	US-10-159-006-43	Sequence 43, App1
32	2258	89.7	476	10	US-09-747-669-3	Sequence 3, App1
33	2258	89.7	476	15	US-10-290-703-3	Sequence 3, App1
34	2235.5	88.8	448	12	US-10-378-567-2	Sequence 2, App1
35	2229	88.6	476	12	US-10-409-938-15	Sequence 15, App1
36	2228.5	88.5	448	12	US-10-353-708-48	Sequence 48, App1
37	2228.5	88.5	448	12	US-10-353-708-60	Sequence 60, App1
38	2228.5	88.5	448	15	US-10-171-452A-48	Sequence 48, App1
39	2228.5	88.5	448	15	US-10-171-452A-60	Sequence 60, App1
40	2228.5	88.5	489	12	US-10-104-047-3329	Sequence 3329, App1
41	2225.5	88.4	448	12	US-10-353-708-42	Sequence 42, App1
42	2225.5	88.4	448	12	US-10-353-708-54	Sequence 54, App1
43	2225.5	88.4	448	15	US-10-171-452A-42	Sequence 42, App1
44	2225.5	88.4	448	15	US-10-171-452A-54	Sequence 54, App1
45	2212.5	87.9	477	12	US-10-108-260A-4289	Sequence 4289, App1

ALIGNMENTS

RESULT 1
US-10-384-933-147
: Sequence 147, Application US/10384933
: Publication No. US20030170817A1
: GENERAL INFORMATION:
: APPLICANT: Serizawa, No. US20030170817A1ufusa
: APPLICANT: Harizawa, Hideyuki
: APPLICANT: Nakahara, Kaori
: APPLICANT: Tamaki, Ikuko
: APPLICANT: Takahashi, Tohru
: TITLE OF INVENTION: Anti-Pas Antibodies
: FILE REFERENCE: 980126C1P/HG
: CURRENT APPLICATION NUMBER: US/10/384,933
: CURRENT FILING DATE: 2003-02-05
: PRIOR APPLICATION NUMBER: US/09/499,662
: PRIOR FILING DATE: 2000-02-09
: PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
: PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
: NUMBER OF SEQ ID NOS: 165
: SEQ ID NO 147
: LENGTH: 470
: TYPE: PRT
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
: OTHER INFORMATION: chain of humanized anti-Pas antibody
US-10-384-933-147

Query Match 100.0%; Score 2517; DB 12; Length 470;

Best Local Similarity 100.0%; Pred. No. 3.9e-166; Mismatches 0; Indels 0; Gaps 0;

Matches 470; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MGNMSTLFLVATATGVHSOVLQSGABVKKPKASVYKSCAKSGYTFSTYMWQVROAP 60
Db 1 MGNMSTLFLVATATGVHSOVLQSGABVKKPKASVYKSCAKSGYTFSTYMWQVROAP 60
Qy 61 GGGLEWGEIDPDSYTNQKFKGKATLTVDTSTAYWELSLRSDDTAIVYCARRD 120
|||||

Db 61 GGGLEMMGEIDPSDSTYNNQKFKGKATLTVDISTSTAYMELSLRSEDYAVVYCAARRD 120
QY 121 YSNMWYFDVWGQGLTVTVSSASTKGPVSFPLAPSSKSTSGGTAALGCLVXDYPPEPVTS 180
Db 121 YSNMWYFDVWGQGLTVTVSSASTKGPVSFPLAPSSKSTSGGTAALGCLVXDYPPEPVTS 180
QY 181 WNSGALTSGVHTFPAYVLOSSGLYSLSVTVVPSSSLGTQTYICVNNHKPSTNTKVDKVER 240
Db 181 WNSGALTSGVHTFPAYVLOSSGLYSLSVTVVPSSSLGTQTYICVNNHKPSTNTKVDKVER 240
QY 241 KSCDKHTCPCPAPELLGGPSVFLPPKPKDITLMISRTPEVTCVVDVSHEDBEVAFNW 300
Db 241 KSCDKHTCPCPAPELLGGPSVFLPPKPKDITLMISRTPEVTCVVDVSHEDBEVAFNW 300
QY 301 YVDGEVHNAKTKREBEQYNSTRVSVLTVLHODMLNGEKYKCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNAKTKREBEQYNSTRVSVLTVLHODMLNGEKYKCKVSNKALPAPIEKTIS 360
QY 361 KAKQPREPOVYTLPPREEMTKNOVSLTCLVKGFPYSDIAVEMESNGOPENNYKTTTPV 420
Db 361 KAKQPREPOVYTLPPREEMTKNOVSLTCLVKGFPYSDIAVEMESNGOPENNYKTTTPV 420
QY 421 LDSDGSFFLYSKLTVDKSRWQGNVFCSVWHEALHNHYTKSLSPGK 470
Db 421 LDSDGSFFLYSKLTVDKSRWQGNVFCSVWHEALHNHYTKSLSPGK 470

RESULT 2

US-10-216-484-147
; Sequence 147, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CJP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 147
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
US-10-216-484-147

Query Match 100.0%; Score 2517; DB 15; Length 470;
Best Local Similarity 100.0%; Pred. No. 3.9e-166;
Matches 470; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVYSCKASGYTFTSYMMQWRAP 60
Db 1 MGSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVYSCKASGYTFTSYMMQWRAP 60
QY 61 GGGLEMMGEIDPSDSTYNNQKFKGKATLTVDISTSTAYMELSLRSEDYAVVYCAARRD 120
Db 61 GGGLEMMGEIDPSDSTYNNQKFKGKATLTVDISTSTAYMELSLRSEDYAVVYCAARRD 120
QY 121 YSNMWYFDVWGQGLTVTVSSASTKGPVSFPLAPSSKSTSGGTAALGCLVXDYPPEPVTS 180
Db 121 YSNMWYFDVWGQGLTVTVSSASTKGPVSFPLAPSSKSTSGGTAALGCLVXDYPPEPVTS 180
QY 181 WNSGALTSGVHTFPAYVLOSSGLYSLSVTVVPSSSLGTQTYICVNNHKPSTNTKVDKVER 240
Db 181 WNSGALTSGVHTFPAYVLOSSGLYSLSVTVVPSSSLGTQTYICVNNHKPSTNTKVDKVER 240

Db 181 WNSGALTSGVHTFPAYVLOSSGLYSLSVTVVPSSSLGTQTYICVNNHKPSTNTKVDKVER 240
QY 241 KSCDKHTCPCPAPELLGGPSVFLPPKPKDITLMISRTPEVTCVVDVSHEDBEVAFNW 300
Db 241 KSCDKHTCPCPAPELLGGPSVFLPPKPKDITLMISRTPEVTCVVDVSHEDBEVAFNW 300
QY 301 YVDGEVHNAKTKREBEQYNSTRVSVLTVLHODMLNGEKYKCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNAKTKREBEQYNSTRVSVLTVLHODMLNGEKYKCKVSNKALPAPIEKTIS 360
QY 361 KAKQPREPOVYTLPPREEMTKNOVSLTCLVKGFPYSDIAVEMESNGOPENNYKTTTPV 420
Db 361 KAKQPREPOVYTLPPREEMTKNOVSLTCLVKGFPYSDIAVEMESNGOPENNYKTTTPV 420
QY 421 LDSDGSFFLYSKLTVDKSRWQGNVFCSVWHEALHNHYTKSLSPGK 470
Db 421 LDSDGSFFLYSKLTVDKSRWQGNVFCSVWHEALHNHYTKSLSPGK 470

RESULT 3

US-10-384-933-143
; Sequence 143, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CJP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 143
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
US-10-384-933-143

Query Match 99.9%; Score 2514; DB 12; Length 470;
Best Local Similarity 99.8%; Pred. No. 6.3e-166;
Matches 469; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVYSCKASGYTFTSYMMQWRAP 60
Db 1 MGSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVYSCKASGYTFTSYMMQWRAP 60
QY 61 GGGLEMMGEIDPSDSTYNNQKFKGKATLTVDISTSTAYMELSLRSEDYAVVYCAARRD 120
Db 61 GGGLEMMGEIDPSDSTYNNQKFKGKATLTVDISTSTAYMELSLRSEDYAVVYCAARRD 120
QY 121 YSNMWYFDVWGQGLTVTVSSASTKGPVSFPLAPSSKSTSGGTAALGCLVXDYPPEPVTS 180
Db 121 YSNMWYFDVWGQGLTVTVSSASTKGPVSFPLAPSSKSTSGGTAALGCLVXDYPPEPVTS 180
QY 181 WNSGALTSGVHTFPAYVLOSSGLYSLSVTVVPSSSLGTQTYICVNNHKPSTNTKVDKVER 240
Db 181 WNSGALTSGVHTFPAYVLOSSGLYSLSVTVVPSSSLGTQTYICVNNHKPSTNTKVDKVER 240
QY 241 KSCDKHTCPCPAPELLGGPSVFLPPKPKDITLMISRTPEVTCVVDVSHEDBEVAFNW 300
Db 241 KSCDKHTCPCPAPELLGGPSVFLPPKPKDITLMISRTPEVTCVVDVSHEDBEVAFNW 300
QY 301 YVDGEVHNAKTKREBEQYNSTRVSVLTVLHODMLNGEKYKCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNAKTKREBEQYNSTRVSVLTVLHODMLNGEKYKCKVSNKALPAPIEKTIS 360

Db 301 YVGVVHNAKTKREBOYNSTYRVSVLTJVLHODWLNKGYKCKVSNKALPADIETIS 360
Qy 361 KAKQPREPOVYTLPPREBETKNQVSLTCLVKGFPYSDIAVEMESNGQPENNKTTTPV 420
Db 361 KAKQPREPOVYTLPPREBETKNQVSLTCLVKGFPYSDIAVEMESNGQPENNKTTTPV 420
Qy 421 LDSGSEFLYSKLTVDKSRWQGNVFCGSVHHEALHNHYTOKSLSPGK 470
Db 421 LDSGSEFLYSKLTVDKSRWQGNVFCGSVHHEALHNHYTOKSLSPGK 470

RESULT 4

US-10-216-484-143
; Sequence 143, Application US/10216484
; Publication No. US20030103976A1
GENERAL INFORMATION:
; APPLICANT: Setizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Pas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 143
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Pas antibody
US-10-216-484-143

Query Match 99.9%; Score 2514; DB 15; Length 470;
Best Local Similarity 99.8%; Pred. No. 6.3e-166;
Matches 469; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MGMSCTILFLVATATGVHSOVOLVQSGAEVKKPGASVVKSCAKSGYFTSYMQMVRQAP 60
Db 1 MGMSCTILFLVATATGVHSOVOLVQSGAEVKKPGASVVKSCAKSGYFTSYMQMVRQAP 60
Qy 61 GQGLEMMGEIDPDSYSTNYNQKFKGKATLTVDSTSTAYMELSLRSEDTAVYYCARRD 120
Db 61 GQGLEMMGEIDPDSYSTNYNQKFKGKATLTVDSTSTAYMELSLRSEDTAVYYCARRD 120
Qy 121 YSNMWYFDWVGQGLTVVSSASTKGPVFLPAPSSKSTSGGTALAGCLVKDYPPEPTVS 180
Db 121 YSNMWYFDWVGQGLTVVSSASTKGPVFLPAPSSKSTSGGTALAGCLVKDYPPEPTVS 180
Qy 121 YSNMWYFDWVGQGLTVVSSASTKGPVFLPAPSSKSTSGGTALAGCLVKDYPPEPTVS 180
Db 121 YSNMWYFDWVGQGLTVVSSASTKGPVFLPAPSSKSTSGGTALAGCLVKDYPPEPTVS 180
Qy 181 WNSGALTSGVHTFPFPAVLQSSGLYSLSVTVPPSSSLGTQYICVNNHKPSTKYDKVEP 240
Db 181 WNSGALTSGVHTFPFPAVLQSSGLYSLSVTVPPSSSLGTQYICVNNHKPSTKYDKVEP 240
Qy 241 KSCDKHTPCPCPAPELLGSPVFLPPPKPDITMISRTPEVTCVVDVSHEDDEVKFNW 300
Db 241 KSCDKHTPCPCPAPELLGSPVFLPPPKPDITMISRTPEVTCVVDVSHEDDEVKFNW 300
Qy 301 YVGVVHNAKTKREBOYNSTYRVSVLTJVLHODWLNKGYKCKVSNKALPADIETIS 360
Db 301 YVGVVHNAKTKREBOYNSTYRVSVLTJVLHODWLNKGYKCKVSNKALPADIETIS 360
Qy 361 KAKQPREPOVYTLPPREBETKNQVSLTCLVKGFPYSDIAVEMESNGQPENNKTTTPV 420
Db 361 KAKQPREPOVYTLPPREBETKNQVSLTCLVKGFPYSDIAVEMESNGQPENNKTTTPV 420
Qy 421 LDSGSEFLYSKLTVDKSRWQGNVFCGSVHHEALHNHYTOKSLSPGK 470
Db 421 LDSGSEFLYSKLTVDKSRWQGNVFCGSVHHEALHNHYTOKSLSPGK 470

Db 421 LDSGSEFLYSKLTVDKSRWQGNVFCGSVHHEALHNHYTOKSLSPGK 470

RESULT 5

US-10-384-933-145
; Sequence 145, Application US/10384933
; Publication No. US20030170817A1
GENERAL INFORMATION:
; APPLICANT: Setizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Pas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 145
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Pas antibody
US-10-384-933-145

Query Match 99.8%; Score 2512; DB 12; Length 470;
Best Local Similarity 99.6%; Pred. No. 8.7e-166;
Matches 468; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MGMSCTILFLVATATGVHSOVOLVQSGAEVKKPGASVVKSCAKSGYFTSYMQMVRQAP 60
Db 1 MGMSCTILFLVATATGVHSOVOLVQSGAEVKKPGASVVKSCAKSGYFTSYMQMVRQAP 60
Qy 61 GQGLEMMGEIDPDSYSTNYNQKFKGKATLTVDSTSTAYMELSLRSEDTAVYYCARRD 120
Db 61 GQGLEMMGEIDPDSYSTNYNQKFKGKATLTVDSTSTAYMELSLRSEDTAVYYCARRD 120
Qy 121 YSNMWYFDWVGQGLTVVSSASTKGPVFLPAPSSKSTSGGTALAGCLVKDYPPEPTVS 180
Db 121 YSNMWYFDWVGQGLTVVSSASTKGPVFLPAPSSKSTSGGTALAGCLVKDYPPEPTVS 180
Qy 121 YSNMWYFDWVGQGLTVVSSASTKGPVFLPAPSSKSTSGGTALAGCLVKDYPPEPTVS 180
Db 121 YSNMWYFDWVGQGLTVVSSASTKGPVFLPAPSSKSTSGGTALAGCLVKDYPPEPTVS 180
Qy 181 WNSGALTSGVHTFPFPAVLQSSGLYSLSVTVPPSSSLGTQYICVNNHKPSTKYDKVEP 240
Db 181 WNSGALTSGVHTFPFPAVLQSSGLYSLSVTVPPSSSLGTQYICVNNHKPSTKYDKVEP 240
Qy 241 KSCDKHTPCPCPAPELLGSPVFLPPPKPDITMISRTPEVTCVVDVSHEDDEVKFNW 300
Db 241 KSCDKHTPCPCPAPELLGSPVFLPPPKPDITMISRTPEVTCVVDVSHEDDEVKFNW 300
Qy 301 YVGVVHNAKTKREBOYNSTYRVSVLTJVLHODWLNKGYKCKVSNKALPADIETIS 360
Db 301 YVGVVHNAKTKREBOYNSTYRVSVLTJVLHODWLNKGYKCKVSNKALPADIETIS 360
Qy 361 KAKQPREPOVYTLPPREBETKNQVSLTCLVKGFPYSDIAVEMESNGQPENNKTTTPV 420
Db 361 KAKQPREPOVYTLPPREBETKNQVSLTCLVKGFPYSDIAVEMESNGQPENNKTTTPV 420
Qy 421 LDSGSEFLYSKLTVDKSRWQGNVFCGSVHHEALHNHYTOKSLSPGK 470
Db 421 LDSGSEFLYSKLTVDKSRWQGNVFCGSVHHEALHNHYTOKSLSPGK 470

RESULT 6
US-10-216-484-145
; Sequence 145, Application US/10216484
; Publication No. US20030103976A1
GENERAL INFORMATION:

APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 145
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
US-10-216-484-145

Query Match 99.8%; Score 2512; DB 15; Length 470;
Best Local Similarity 99.6%; Pred. No. 8.7e-166;
Matches 468; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGSCIIILFLVATATGVHSQVQLVQSGAEVKKPGASVKSCKASGYTFTSYMQWRQAP 60
DB 1 MGSCIIILFLVATATGVHSQVQLVQSGAEVKKPGASVKSCKASGYTFTSYMQWRQAP 60
QY 61 GQGLEMMGEIDPSDSTYNNOKFKGKATLVDTSTSTAYMELSLRSEDPAVYYCAARRD 120
DB 61 GQGLEMMGEIDPSDSTYNNOKFKGKATLVDTSTSTAYMELSLRSEDPAVYYCAARRD 120
QY 121 YSNMWYFDWQGGTLVTVSSASTGSPVFLAPSSKSTSGGTALAGCLVQDYFPEPTVVS 180
DB 121 YSNMWYFDWQGGTLVTVSSASTGSPVFLAPSSKSTSGGTALAGCLVQDYFPEPTVVS 180
QY 181 WNSGALTSVHTFPFAVLQSSGLYSLSVTVTPSSSLGTQYICVNHKPSNTKYDKVEP 240
DB 181 WNSGALTSVHTFPFAVLQSSGLYSLSVTVTPSSSLGTQYICVNHKPSNTKYDKVEP 240
QY 241 KSCDKHTPCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
DB 241 KSCDKHTPCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
QY 301 YVDGEVHNAAKTREREGYNSTRVSVLTLYLHODMNLNGEKYCKVSNKALPAIEKTIIS 360
DB 301 YVDGEVHNAAKTREREGYNSTRVSVLTLYLHODMNLNGEKYCKVSNKALPAIEKTIIS 360
QY 361 KAKQPREPOVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMNSNGQPENNYKTTTPV 420
DB 361 KAKQPREPOVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMNSNGQPENNYKTTTPV 420
QY 421 LDDSGSFFLYSKLTVDKSRWQGGNVFSCSYMHREALHNYTKSLISLSPGK 470
DB 421 LDDSGSFFLYSKLTVDKSRWQGGNVFSCSYMHREALHNYTKSLISLSPGK 470

RESULT 7
US-10-384-933-117
Sequence 117, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933

CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 117
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
US-10-384-933-117

Query Match 99.8%; Score 2511; DB 12; Length 470;
Best Local Similarity 99.6%; Pred. No. 1e-165;
Matches 468; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGSCIIILFLVATATGVHSQVQLVQSGAEVKKPGASVKSCKASGYTFTSYMQWRQAP 60
DB 1 MGSCIIILFLVATATGVHSQVQLVQSGAEVKKPGASVKSCKASGYTFTSYMQWRQAP 60
QY 61 GQGLEMMGEIDPSDSTYNNOKFKGKATLVDTSTSTAYMELSLRSEDPAVYYCAARRD 120
DB 61 GQGLEMMGEIDPSDSTYNNOKFKGKATLVDTSTSTAYMELSLRSEDPAVYYCAARRD 120
QY 121 YSNMWYFDWQGGTLVTVSSASTGSPVFLAPSSKSTSGGTALAGCLVQDYFPEPTVVS 180
DB 121 YSNMWYFDWQGGTLVTVSSASTGSPVFLAPSSKSTSGGTALAGCLVQDYFPEPTVVS 180
QY 181 WNSGALTSVHTFPFAVLQSSGLYSLSVTVTPSSSLGTQYICVNHKPSNTKYDKVEP 240
DB 181 WNSGALTSVHTFPFAVLQSSGLYSLSVTVTPSSSLGTQYICVNHKPSNTKYDKVEP 240
QY 241 KSCDKHTPCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
DB 241 KSCDKHTPCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
QY 301 YVDGEVHNAAKTREREGYNSTRVSVLTLYLHODMNLNGEKYCKVSNKALPAIEKTIIS 360
DB 301 YVDGEVHNAAKTREREGYNSTRVSVLTLYLHODMNLNGEKYCKVSNKALPAIEKTIIS 360
QY 361 KAKQPREPOVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMNSNGQPENNYKTTTPV 420
DB 361 KAKQPREPOVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMNSNGQPENNYKTTTPV 420
QY 421 LDDSGSFFLYSKLTVDKSRWQGGNVFSCSYMHREALHNYTKSLISLSPGK 470
DB 421 LDDSGSFFLYSKLTVDKSRWQGGNVFSCSYMHREALHNYTKSLISLSPGK 470

RESULT 8
US-10-216-484-117
Sequence 117, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 117
LENGTH: 470

TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
US-10-216-484-117

Query Match 99.8%; Score 2511; DB 15; Length 470;
Best Local Similarity 99.6%; Pred. No. 1e-165;
Matches 466; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGNSCIIIFLVATATGVHSQVQLVQSGAEVKKPKASVKVSCAKAGYFTSYMMQWVQAP 60
DB 1 MGNSCIIIFLVATATGVHSQVQLVQSGAEVKKPKASVKVSCAKAGYFTSYMMQWVQAP 60
QY 61 GQGLEMMGEIDPSSTYNNQKFKGKATLVDTSTSTAYMELSLRSEDITAVYICARRD 120
DB 61 GQGLEMMGEIDPSSTYNNQKFKGKATLVDTSTSTAYMELSLRSEDITAVYICARRD 120
QY 121 YSNWVFDVWGEGTLVTVSSASTKGPVFLPAPSSKSTSGGTALAGCLVKDYPPEPTVS 180
DB 121 YSNWVFDVWGEGTLVTVSSASTKGPVFLPAPSSKSTSGGTALAGCLVKDYPPEPTVS 180
QY 181 WNSGALTSVHTFPAYVQSSGLYSLSVTVFPSSSLGTQYICVNNHKPSTKYDKRVEP 240
DB 181 WNSGALTSVHTFPAYVQSSGLYSLSVTVFPSSSLGTQYICVNNHKPSTKYDKRVEP 240
QY 241 KSCDKHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKRW 300
DB 241 KSCDKHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKRW 300
QY 301 YVDGEVHNAKTKREDOYNSYTRVSVLTFLHODMNLGKPKCKVSNKALPAPIEKTIS 360
DB 301 YVDGEVHNAKTKREDOYNSYTRVSVLTFLHODMNLGKPKCKVSNKALPAPIEKTIS 360
QY 361 KAKQPREPOVYTLPPREBETKNQVSLTCLVKGFYSDDIAVEESNQGPENNYKTTTPV 420
DB 361 KAKQPREPOVYTLPPREBETKNQVSLTCLVKGFYSDDIAVEESNQGPENNYKTTTPV 420
QY 421 LDSGSEFLYSKLTVDKSRWQOGNVFSCSVNHEALHNHYTOKSLSPGK 470
DB 421 LDSGSEFLYSKLTVDKSRWQOGNVFSCSVNHEALHNHYTOKSLSPGK 470

RESULT 9

US-10-384-933-89
Sequence 89, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 89

LENGTH: 470

TYPE: PRT
ORGANISM: Artificial Sequence

FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy

OTHER INFORMATION: Chain of humanized anti-Fas antibody
US-10-384-933-89

Query Match 99.2%; Score 2498; DB 12; Length 470;

Best Local Similarity 99.1%; Pred. No. 8.1e-165;
Matches 466; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGNSCIIIFLVATATGVHSQVQLVQSGAEVKKPKASVKVSCAKAGYFTSYMMQWVQAP 60
DB 1 MGNSCIIIFLVATATGVHSQVQLVQSGAEVKKPKASVKVSCAKAGYFTSYMMQWVQAP 60
QY 61 GQGLEMMGEIDPSSTYNNQKFKGKATLVDTSTSTAYMELSLRSEDITAVYICARRD 120
DB 61 GQGLEMMGEIDPSSTYNNQKFKGKATLVDTSTSTAYMELSLRSEDITAVYICARRD 120
QY 121 YSNWVFDVWGEGTLVTVSSASTKGPVFLPAPSSKSTSGGTALAGCLVKDYPPEPTVS 180
DB 121 YSNWVFDVWGEGTLVTVSSASTKGPVFLPAPSSKSTSGGTALAGCLVKDYPPEPTVS 180
QY 181 WNSGALTSVHTFPAYVQSSGLYSLSVTVFPSSSLGTQYICVNNHKPSTKYDKRVEP 240
DB 181 WNSGALTSVHTFPAYVQSSGLYSLSVTVFPSSSLGTQYICVNNHKPSTKYDKRVEP 240
QY 241 KSCDKHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKRW 300
DB 241 KSCDKHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKRW 300
QY 301 YVDGEVHNAKTKREDOYNSYTRVSVLTFLHODMNLGKPKCKVSNKALPAPIEKTIS 360
DB 301 YVDGEVHNAKTKREDOYNSYTRVSVLTFLHODMNLGKPKCKVSNKALPAPIEKTIS 360
QY 361 KAKQPREPOVYTLPPREBETKNQVSLTCLVKGFYSDDIAVEESNQGPENNYKTTTPV 420
DB 361 KAKQPREPOVYTLPPREBETKNQVSLTCLVKGFYSDDIAVEESNQGPENNYKTTTPV 420
QY 421 LDSGSEFLYSKLTVDKSRWQOGNVFSCSVNHEALHNHYTOKSLSPGK 470
DB 421 LDSGSEFLYSKLTVDKSRWQOGNVFSCSVNHEALHNHYTOKSLSPGK 470

RESULT 10

US-10-384-933-157
Sequence 157, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 157

LENGTH: 470

TYPE: PRT
ORGANISM: Artificial Sequence

FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy chain of humanized anti-Fas antibody
US-10-384-933-157

Query Match 99.2%; Score 2498; DB 12; Length 470;
Best Local Similarity 98.9%; Pred. No. 8.1e-165;
Matches 465; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGNSCIIIFLVATATGVHSQVQLVQSGAEVKKPKASVKVSCAKAGYFTSYMMQWVQAP 60
DB 1 MGNSCIIIFLVATATGVHSQVQLVQSGAEVKKPKASVKVSCAKAGYFTSYMMQWVQAP 60
QY 61 GQGLEMMGEIDPSSTYNNQKFKGKATLVDTSTSTAYMELSLRSEDITAVYICARRD 120

```
Db 61 GGGLEMMGEIDPSDSTYNQKFKGRVITITRDISTSTAYMELSLRSEDIAVYVCARNRD 120
Qy 121 YSNMWYDVMGQGLTVYSSASTGSPVFLPAPSSKSTSGGTAALGCLVYDYPEPYTVS 180
Db 121 YSNMWYDVMGEGTLVTVSSASTGSPVFLPAPSSKSTSGGTAALGCLVYDYPEPYTVS 180
Qy 181 WNSGALTSVHTPFAVLQSSGLYSLSVTVVPSSSLGTQTYICNVNHPKSTKYDKRVEP 240
Db 181 WNSGALTSVHTPFAVLQSSGLYSLSVTVVPSSSLGTQTYICNVNHPKSTKYDKRVEP 240
Qy 241 KSCDKHTTCCPCAPBELLGSPVFLFPKPKDITLMTSRTEBVTCTVVDVSHEDPEVFNW 300
Db 241 KSCDKHTTCCPCAPBELLGSPVFLFPKPKDITLMTSRTEBVTCTVVDVSHEDPEVFNW 300
Qy 301 YVDGEVHNAKTKRBEQYNSTYRVSVLTVLHODMNLGKRYCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNAKTKRBEQYNSTYRVSVLTVLHODMNLGKRYCKVSNKALPAPIEKTIS 360
Qy 361 KAKQPREPOVYTLPPREEMTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTTPPV 420
Db 361 KAKQPREPOVYTLPPREEMTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTTPPV 420
Qy 421 LDSGSEFLYSKLTVDKSRMQQGVNFCSVNHEALHNYTQKSLSLSPGX 470
Db 421 LDSGSEFLYSKLTVDKSRMQQGVNFCSVNHEALHNYTQKSLSLSPGX 470
```

```
RESULT 11
US-10-216-484-89
; Sequence 89, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 89
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-89
```

```
Query Match 99.2%; Score 2498; DB 15; Length 470;
Best Local Similarity 99.1%; Pred. No. 8.1e-165;
Matches 466; Conservative 2; Mismatches 2; Indels 0; Gaps 0;
```

```
Qy 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVYSCAKSGYFTSTYMMQWVQAP 60
Db 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVYSCAKSGYFTSTYMMQWVQAP 60
Qy 61 GGGLEMMGEIDPSDSTYNQKFKGKATLTVDITSTAYMELSLRSEDIAVYVCARNRD 120
Db 61 GGGLEMMGEIDPSDSTYNQKFKGKATLTVDITSTAYMELSLRSEDIAVYVCARNRD 120
Qy 121 YSNMWYDVMGQGLTVYSSASTGSPVFLPAPSSKSTSGGTAALGCLVYDYPEPYTVS 180
Db 121 YSNMWYDVMGEGTLVTVSSASTGSPVFLPAPSSKSTSGGTAALGCLVYDYPEPYTVS 180
Qy 181 WNSGALTSVHTPFAVLQSSGLYSLSVTVVPSSSLGTQTYICNVNHPKSTKYDKRVEP 240
```

```
Db 181 WNSGALTSVHTPFAVLQSSGLYSLSVTVVPSSSLGTQTYICNVNHPKSTKYDKRVEP 240
Qy 241 KSCDKHTTCCPCAPBELLGSPVFLFPKPKDITLMTSRTEBVTCTVVDVSHEDPEVFNW 300
Db 241 KSCDKHTTCCPCAPBELLGSPVFLFPKPKDITLMTSRTEBVTCTVVDVSHEDPEVFNW 300
Qy 301 YVDGEVHNAKTKRBEQYNSTYRVSVLTVLHODMNLGKRYCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNAKTKRBEQYNSTYRVSVLTVLHODMNLGKRYCKVSNKALPAPIEKTIS 360
Qy 361 KAKQPREPOVYTLPPREEMTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTTPPV 420
Db 361 KAKQPREPOVYTLPPREEMTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTTPPV 420
Qy 421 LDSGSEFLYSKLTVDKSRMQQGVNFCSVNHEALHNYTQKSLSLSPGX 470
Db 421 LDSGSEFLYSKLTVDKSRMQQGVNFCSVNHEALHNYTQKSLSLSPGX 470
```

```
RESULT 12
US-10-216-484-157
; Sequence 157, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 157
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed
; OTHER INFORMATION: heavy chain of humanized anti-Fas antibody
US-10-216-484-157
```

```
Query Match 99.2%; Score 2498; DB 15; Length 470;
Best Local Similarity 98.9%; Pred. No. 8.1e-165;
Matches 465; Conservative 3; Mismatches 2; Indels 0; Gaps 0;
```

```
Qy 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVYSCAKSGYFTSTYMMQWVQAP 60
Db 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVYSCAKSGYFTSTYMMQWVQAP 60
Qy 61 GGGLEMMGEIDPSDSTYNQKFKGKATLTVDITSTAYMELSLRSEDIAVYVCARNRD 120
Db 61 GGGLEMMGEIDPSDSTYNQKFKGKATLTVDITSTAYMELSLRSEDIAVYVCARNRD 120
Qy 121 YSNMWYDVMGQGLTVYSSASTGSPVFLPAPSSKSTSGGTAALGCLVYDYPEPYTVS 180
Db 121 YSNMWYDVMGEGTLVTVSSASTGSPVFLPAPSSKSTSGGTAALGCLVYDYPEPYTVS 180
Qy 181 WNSGALTSVHTPFAVLQSSGLYSLSVTVVPSSSLGTQTYICNVNHPKSTKYDKRVEP 240
Db 181 WNSGALTSVHTPFAVLQSSGLYSLSVTVVPSSSLGTQTYICNVNHPKSTKYDKRVEP 240
Qy 241 KSCDKHTTCCPCAPBELLGSPVFLFPKPKDITLMTSRTEBVTCTVVDVSHEDPEVFNW 300
Db 241 KSCDKHTTCCPCAPBELLGSPVFLFPKPKDITLMTSRTEBVTCTVVDVSHEDPEVFNW 300
Qy 301 YVDGEVHNAKTKRBEQYNSTYRVSVLTVLHODMNLGKRYCKVSNKALPAPIEKTIS 360
```

```
Db 301 YVDGVEVHNAKTKRREQYNSTYRVVSVLTVLHODMLNGKRYCKKVSINKALPAPIEKTIS 360
Qy 361 KAKQPREPOVYTLPPSRREBETKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPV 420
Db 361 KAKQPREPOVYTLPPSRREBETKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPV 420
Qy 421 LDSGSEFLLYSKLTVDKSRWQGNVFCSCVHNEALHNHYTOKSLSLSPGK 470
Db 421 LDSGSEFLLYSKLTVDKSRWQGNVFCSCVHNEALHNHYTOKSLSLSPGK 470
```

RESULT 13

```
US-09-825-012-46
; Sequence 46, Application US/09825012
; Patent No. US20020122798A1
; GENERAL INFORMATION:
; APPLICANT: Young, Robert
; TITLE OF INVENTION: Compounds for Targeting
; FILE REFERENCE: 43191-256808
; CURRENT APPLICATION NUMBER: US/09/825,012
; PRIOR FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: US 60/237,159
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: GB 0008049.9
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 46
; LENGTH: 731
; TYPE: PR
; ORGANISM: Artificial Sequence
; OTHER INFORMATION: Humanised HMFg1 heavy chain - DNase I fusion
; US-09-825-012-46
```

```
Query Match 93.3%; Score 2349.5; DB 10; Length 731;
Best Local Similarity 93.2%; Pred. No. 2.6e-154;
Matches 438; Conservative 19; Mismatches 10; Indels 3; Gaps 1;
```

```
Qy 1 MGMSCIILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYFTSYMQMVRQAP 60
Db 1 MGMSCIILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYFTSAWIMVNRQAP 60
Qy 61 GQGLEWNGEIDPSSTYNNQKFKGKATLTVDISTSTAYNELSLRSEDTAVYYCARNRD 120
Db 61 GQGLEWNGEIDPSSTYNNQKFKGKATLTVDISTSTAYNELSLRSEDTAVYYCARSYD 120
Qy 121 YSNHWYFDVWGQGLTVVSSASTGKPSVFPLAPSSKSTSGGTALAGCLVKDYFPEPTVVS 180
Db 121 YSNHWYFDVWGQGLTVVSSASTGKPSVFPLAPSSKSTSGGTALAGCLVKDYFPEPTVVS 177
Qy 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVTPSSSLGTQTYICNVNHKPSNTKYDKRVEP 240
Db 178 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVTPSSSLGTQTYICNVNHKPSNTKYDKRVEP 237
Qy 241 KSCDKHTTCCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
Db 238 KSCDKHTTCCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 297
Qy 301 YVDGVEVHNAKTKRREQYNSTYRVVSVLTVLHODMLNGKRYCKKVSINKALPAPIEKTIS 360
Db 298 YVDGVEVHNAKTKRREQYNSTYRVVSVLTVLHODMLNGKRYCKKVSINKALPAPIEKTIS 357
Qy 361 KAKQPREPOVYTLPPSRREBETKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPV 420
Db 358 KAKQPREPOVYTLPPSRREBETKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPV 417
Qy 421 LDSGSEFLLYSKLTVDKSRWQGNVFCSCVHNEALHNHYTOKSLSLSPGK 470
Db 418 LDSGSEFLLYSKLTVDKSRWQGNVFCSCVHNEALHNHYTOKSLSLSPGK 467
```

RESULT 14

```
US-09-825-012-55
; Sequence 55, Application US/09825012
; Patent No. US20020122798A1
; GENERAL INFORMATION:
; APPLICANT: Young, Robert
; TITLE OF INVENTION: Compounds for Targeting
; FILE REFERENCE: 43191-256808
; CURRENT APPLICATION NUMBER: US/09/825,012
; PRIOR FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: US 60/237,159
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: GB 0008049.9
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 55
; LENGTH: 741
; TYPE: PR
; ORGANISM: Artificial Sequence
; OTHER INFORMATION: Humanised HMFg1 heavy chain - DNase I fusion
; US-09-825-012-55
```

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Query Match 93.3%; Score 2349.5; DB 10; Length 741;
Best Local Similarity 93.2%; Pred. No. 2.6e-154;
Matches 438; Conservative 19; Mismatches 10; Indels 3; Gaps 1;
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Qy 1 MGMSCIILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYFTSYMQMVRQAP 60
Db 1 MGMSCIILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYFTSAWIMVNRQAP 60
Qy 61 GQGLEWNGEIDPSSTYNNQKFKGKATLTVDISTSTAYNELSLRSEDTAVYYCARNRD 120
Db 61 GQGLEWNGEIDPSSTYNNQKFKGKATLTVDISTSTAYNELSLRSEDTAVYYCARSYD 120
Qy 121 YSNHWYFDVWGQGLTVVSSASTGKPSVFPLAPSSKSTSGGTALAGCLVKDYFPEPTVVS 180
Db 121 YSNHWYFDVWGQGLTVVSSASTGKPSVFPLAPSSKSTSGGTALAGCLVKDYFPEPTVVS 177
Qy 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVTPSSSLGTQTYICNVNHKPSNTKYDKRVEP 240
Db 178 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVTPSSSLGTQTYICNVNHKPSNTKYDKRVEP 237
Qy 241 KSCDKHTTCCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
Db 238 KSCDKHTTCCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 297
Qy 301 YVDGVEVHNAKTKRREQYNSTYRVVSVLTVLHODMLNGKRYCKKVSINKALPAPIEKTIS 360
Db 298 YVDGVEVHNAKTKRREQYNSTYRVVSVLTVLHODMLNGKRYCKKVSINKALPAPIEKTIS 357
Qy 361 KAKQPREPOVYTLPPSRREBETKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPV 420
Db 358 KAKQPREPOVYTLPPSRREBETKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPV 417
Qy 421 LDSGSEFLLYSKLTVDKSRWQGNVFCSCVHNEALHNHYTOKSLSLSPGK 470
Db 418 LDSGSEFLLYSKLTVDKSRWQGNVFCSCVHNEALHNHYTOKSLSLSPGK 467
```

RESULT 15

```
US-09-825-012-52
; Sequence 52, Application US/09825012
; Patent No. US20020122798A1
; GENERAL INFORMATION:
; APPLICANT: Young, Robert
; TITLE OF INVENTION: Compounds for Targeting
; FILE REFERENCE: 43191-256808
; CURRENT APPLICATION NUMBER: US/09/825,012
; PRIOR FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: US 60/237,159
```

; PRIOR APPLICATION NUMBER: GB 0008049.9
; PRIOR FILING DATE: 2000-04-03
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 52
; LENGTH: 729
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Humanised HMFgl heavy chain - DNase I fusion
US-09-825-012-52

Query Match 93.1%; Score 2344.5; DB 10; Length 729;
Best Local Similarity 93.2%; Pred. No. 5.7e-154;
Matches 437; Conservative 19; Mismatches 10; Indels 3; Gaps 1;

QY 1 MGMSCTILFLVATNGVSVQVQLVQSGAEVKKPGASVVSCKASGCTFTSYMMQWVRQAP 60
DB 1 MGMSCTILFLVATNGVSVQVQLVQSGAEVKKPGASVVSCKASGCTFTSAWIEWRQAP 60
QY 61 GQGLEMMGEIDPSDYTNQKFKGKATLVDTSTSTAYMELSLRSEDTAVYYCARND 120
DB 61 GKGLIEWGEILPGSNNSRYNEKFKGRVTVTRDTSTNTAYMELSLRSEDTAVYYCARND 120
QY 121 YSNWYFDVWQGLVTVSSASTKGPSYFPLAPSKSTSGTALGCLVKDYFPEPTVS 180
DB 121 FA--WFAWQGLTVTVSSASTKGPSYFPLAPSKSTSGTALGCLVKDYFPEPTVS 177
QY 181 WNSGALTSVHTFPAAVQSSGLYSLSVTVTPSSISLTQTYICNVNHKPSNTKVDKRYEP 240
DB 178 WNSGALTSVHTFPAAVQSSGLYSLSVTVTPSSISLTQTYICNVNHKPSNTKVDKVEP 237
QY 241 KSCDKHTTCPPCPAPPELLGSPVFLFPPKPDITLMISRTPEVTCVVDVSHEDPEVKFNW 300
DB 238 KSCDKHTTCPPCPAPPELLGSPVFLFPPKPDITLMISRTPEVTCVVDVSHEDPEVKFNW 297
QY 301 YVDGEVYHNAKTKREEDQYNSTYRVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTIS 360
DB 298 YVDGEVYHNAKTKREEDQYNSTYRVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTIS 357
QY 361 KAKGQPREPOVYTLPPSRHEETKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTIPV 420
DB 358 KAKGQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTIPV 417
QY 421 LQSDGSFELYSKLTVDKSRWQGNVFSCSVMHEALHNHYTQKSLSLSPG 469
DB 418 LQSDGSFELYSKLTVDKSRWQGNVFSCSVMHEALHNHYTQKSLSLSPG 466

Search completed: February 20, 2004, 14:25:40
Job time : 36.6422 secs

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OM protein - protein search, using sw model

Run on: February 20, 2004, 13:23:52 ; Search time 15.5872 Seconds
(without alignments)
1275.794 Million cell updates/sec

Title: US-09-499-662-157

Perfect score: 2518
Sequence: 1 MGSCILFLVATATGVHSQ.....MHEALNHVTKSLSPGK 470

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA: *
1: /cgn2_6/ptodata/1/1aa/5A_COMB.pep: *
2: /cgn2_6/ptodata/1/1aa/5B_COMB.pep: *
3: /cgn2_6/ptodata/1/1aa/6A_COMB.pep: *
4: /cgn2_6/ptodata/1/1aa/6B_COMB.pep: *
5: /cgn2_6/ptodata/1/1aa/6C_COMB.pep: *
6: /cgn2_6/ptodata/1/1aa/6D_COMB.pep: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2245	89.2	472	4	US-09-301-593-43
2	2238	88.9	476	2	US-08-378-939-10
3	2230	88.6	449	1	US-08-458-516-13
4	2210.5	87.8	452	3	US-09-027-449-71
5	2210.5	87.8	452	3	US-09-026-985-71
6	2210.5	87.8	452	4	US-09-121-952A-71
7	2210.5	87.8	452	4	US-09-234-340A-71
8	2207.5	87.7	467	3	US-09-049-672A-8
9	2190	87.0	472	4	US-09-301-593-30
10	2172	86.3	468	4	US-09-485-737B-67
11	2172	86.3	711	4	US-09-485-737B-90
12	2150.5	85.4	453	4	US-09-301-593-18
13	2146	85.2	472	4	US-08-793-450-8
14	2142.5	85.1	454	2	US-07-934-373C-22
15	2142.5	85.1	454	3	US-08-437-642B-22
16	2142.5	85.1	454	4	US-08-437-642B-22
17	2142.5	85.1	454	5	US-08-146-206C-22
18	2141	85.0	451	2	US-08-887-352B-14
19	2141	85.0	451	3	US-08-887-352B-16
20	2141	85.0	451	3	US-08-466-151-65
21	2141	85.0	451	3	US-09-109-207C-14
22	2141	85.0	451	3	US-09-109-207C-16
23	2141	85.0	451	3	US-09-286-005-14
24	2141	85.0	451	3	US-09-286-005-16
25	2135	84.8	478	3	US-08-437-642B-23
26	2135	84.8	478	4	US-09-526-098-8
27	2133	84.7	451	2	US-08-887-352B-18

28	2133	84.7	451	3	US-09-109-207C-18	Sequence 18, Appl
29	2133	84.7	451	3	US-09-282-505-2	Sequence 2, Appl
30	2133	84.7	451	3	US-09-054-255-2	Sequence 2, Appl
31	2133	84.7	451	3	US-09-296-005-18	Sequence 18, Appl
32	2133	84.7	451	4	US-09-282-846-2	Sequence 2, Appl
33	2133	84.7	451	4	US-09-680-145-2	Sequence 2, Appl
34	2119	84.2	453	3	US-08-466-151-8	Sequence 8, Appl
35	2119	84.2	453	3	US-08-466-163B-8	Sequence 8, Appl
36	2107.5	83.7	449	4	US-09-679-397-2	Sequence 2, Appl
37	2107.5	83.7	449	4	US-09-680-148-2	Sequence 2, Appl
38	2107.5	83.7	449	4	US-09-304-465A-2	Sequence 2, Appl
39	2104.5	83.6	459	1	US-08-157-101A-7	Sequence 7, Appl
40	2098.5	83.3	552	5	PCT-US93-07832-23	Sequence 23, Appl
41	2095.5	83.2	467	2	US-07-916-098A-45	Sequence 45, Appl
42	2095.5	83.2	469	2	US-07-934-373C-23	Sequence 23, Appl
43	2095.5	83.2	469	3	US-08-437-642B-23	Sequence 23, Appl
44	2095.5	83.2	469	4	US-08-146-206C-23	Sequence 23, Appl
45	2094	83.2	451	4	US-09-247-352-3	Sequence 3, Appl

ALIGNMENTS

```
RESULT 1
US-09-301-593-43
; Sequence 43, Application US/09301593A
; Patent No. 6455677
; GENERAL INFORMATION:
; APPLICANT: Park, John E.
; APPLICANT: Garin-Chesa, Pilar
; APPLICANT: Bamberger, Uwe
; APPLICANT: Leger, Olivier
; APPLICANT: Salama, Jose W.
; APPLICANT: Rettig, Wolfgang J.
; TITLE OF INVENTION: PAP-Specific Antibody with Improved Productivity
; FILE REFERENCE: 0652.1890001
; CURRENT APPLICATION NUMBER: US/09/301,593A
; CURRENT FILING DATE: 1999-04-29
; EARLIER APPLICATION NUMBER: EP 98107925.4
; EARLIER FILING DATE: 1998-04-30
; EARLIER APPLICATION NUMBER: US 60/086, 049
; EARLIER FILING DATE: 1998-05-18
; NUMBER OF SEQ ID NOS: 108
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 43
; LENGTH: 472
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-301-593-43
Query Match 89.2%; Score 2245; DB 4; Length 472;
Best Local Similarity 90.1%; Pred. No. 1.1e-164;
Matches 426; Conservative 11; Mismatches 32; Indels 4; Gaps 2;
1 MGSCILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGVTPTSYMGMQVROAP 60
1 MDWTRVFCILAVAPGASQVQLVQSGAEVKKPGASVKVSCKTRITFTETTHKVRAP 60
61 GQGLEMMGEIDPSDYNTYNNQFKGRVITITRDTSTAYMELSLRSEDTAVVYCARNR- 119
61 GQRLIEWIGINPNNGINPNVNNQFKGRATLTIVGSKASATAYMELSLRSEDTAVVYCARRI 120
120 --DYSNNMYFVWGEGLTVYSSASTGSPSYFPLAPSSKTSGGTALGCLVQYFPPPV 177
121 AYGDGEGHMDYWGQGTLLVYS--STKGPSVFPLAPSSKTSGGTALGCLVQYFPPPV 179
178 TVSNNSGALTSGVTPFAVLQSSGLYSLSVVTYPPSSLSGTQYICVNNHKSPTKVDK 237
180 TVSNNSGALTSGVTPFAVLQSSGLYSLSVVTYPPSSLSGTQYICVNNHKSPTKVDK 239
238 VEPKSCDKHTCPCPAPPELLGSPVFLPPKPKDTLMISRTPEVTCVVDVSHEDPEVK 297
240 VEPKSCDKHTCPCPAPPELLGSPVFLPPKPKDTLMISRTPEVTCVVDVSHEDPEVK 299
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Qy	298	FNMYVDGVEYHNAKTKPRBEQNSITRYVSVLTVLHODMLNGEYKCKVSNKLLPPIEK	357
Db	300	FNMYVDGVEYHNAKTKPRBEQNSITRYVSVLTVLHODMLNGEYKCKVSNKLLPPIEK	359
Qy	358	TISAKGQPREPQVYTLPPSRREMTKNQVSLTCLVKGFPYPSDIAVEMESNGCPENNYKTT	417
Db	360	TISAKGQPREPQVYTLPPSRREMTKNQVSLTCLVKGFPYPSDIAVEMESNGCPENNYKTT	419
Qy	418	PPVLDSDSFPLYSKLTVDKSRMQQGNVSCSYMEALHNHYTQKSLSLSPGK	470
Db	420	PPVLDSDSFPLYSKLTVDKSRMQQGNVSCSYMEALHNHYTQKSLSLSPGK	472

```

1      RESULT 2
2      US-08-378-939-10
3      : Sequence 10, Application US/08378939
4      : Patent No. 5876861
5      :
6      : GENERAL INFORMATION:
7      :
8      : APPLICANT: CROME, JAMES SCOTT
9      : APPLICANT: LEWIS, ALAN PETER
10     : TITLE OF INVENTION: PRODUCTION OF ANTIBODIES
11     : NUMBER OF SEQUENCES: 46
12     : CORRESPONDENCE ADDRESS:
13     : ADDRESSEE: ROTHWELL, FIGG, ERNST & KURZ
14     : STREET: 555 THIRTEENTH ST. N.W.
15     : CITY: WASHINGTON
16     : STATE: D. C.
17     : COUNTRY: U.S.
18     : ZIP: 20004
19     :
20     : COMPUTER READABLE FORM:
21     :
22     : MEDIUM TYPE: Floppy disk
23     : COMPUTER: IBM PC compatible
24     : OPERATING SYSTEM: PC-DOS/MS-DOS
25     : SOFTWARE: PatentIn Release #1.0, Version #1.25
26     : CURRENT APPLICATION DATA:
27     : APPLICATION NUMBER: US/08/378,939
28     : FILING DATE:
29     : CLASSIFICATION: 435
30     : PRIOR APPLICATION DATA:
31     : APPLICATION NUMBER: US 07/952640
32     : FILING DATE: 01-DEC-1992
33     : ATTORNEY/AGENT INFORMATION:
34     : NAME: ERNST, BARBARA G
35     : REGISTRATION NUMBER: 30,377
36     : REFERENCE/DOCKET NUMBER: 1808-118
37     : TELECOMMUNICATION INFORMATION:
38     : TELEPHONE: (202) 783-6040
39     : TELEFAX: (202) 783-6031
40     : INFORMATION FOR SEQ ID NO: 10:
41     : SEQUENCE CHARACTERISTICS:
42     : LENGTH: 476 amino acids
43     : TYPE: amino acid
44     : TOPOLOGY: linear
45     : MOLECULE TYPE: protein
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Query March 88.9%; Score 2238; DB 2; Length 476;
Best Local Similarity 89.1%; Pred. No. 3.9e-164;
Matches 424; Conservative 19; Mismatches 27; Indels 6; Gaps 1.

QY 1 MGNACILFLVATATGASHOVLVDSGAEVKKPGASVKIKSCRAKSGTTPFSYMNQWRQAP 60
 Db 1 MDWTRFLFEVVAALGVDSOMVDSGAEVKKPGSSVTVSCKASGGTFSNATLSWVRQAP 60
 QY 61 GQGLEMMGEIDPSDSVTYNNOKFKRVTITRDPSTSTAMBLSLSESDPAVYYCARNR- 119
 Db 61 GQGLEMMGGIILPLFGTPTYSQNFQGVVITLADKSLSTAMBELSLSESDPAVYYCATDXY 120
 QY 120 -----DYSNNMYFDVWGEGLTVTSASATKGPVSFPLAASSKTSGGTAAAGCLVNDYFP 174
 Db 121 RQANFDRARVGMFDPWGGCTLVTSASATKGPVSFPLAASSKTSGGTAAAGCLVNDYFP 180

QY	175	PPVTVSNMAGLTSVHFPPALVSSGLXSLSSVTVPSSSLGTCYIICNVNHNKPENTKY	234
Db	181	EPVTVSNMAGLTSVHFPPALVSSGLXSLSSVTVPSSSLGTCYIICNVNHNKPENTKY	240
QY	235	DKRVEPKSCDTHTCPCPAPBELLGGPSVFLFPYKPKDTLMTISRPEVTCVVVDVSHEDP	294
Db	241	DKRVEPKSCDTHTCPCPAPBELLGGPSVFLFPYKPKDTLMTISRPEVTCVVVDVSHEDP	300
QY	295	EYKFMWYVDGYEVNNAKTKPREEOYNSYTRVVSVTLVTHQDMLNGEKYCKYNSNKLPAF	354
Db	301	EYKFMWYVDGYEVNNAKTKPREEOYNSYTRVVSVTLVTHQDMLNGEKYCKYNSNKLPAF	360
QY	355	IEKTISSAKGQPREFOVYTLTPSRREEMTKNOVSLTCLYKGFPISDIAYEWESNGCPENNY	414
Db	361	IEKTISSAKGQPREFOVYTLTPSRREEMTKNOVSLTCLYKGFPISDIAYEWESNGCPENNY	420
QY	415	KTTTPVLDSDSPFLYLSKLTVDKSPMOOGNVSCSVMEHALNNHYTKSLSPGK	470
Db	421	KTTTPVLDSDSPFLYLSKLTVDKSPMOOGNVSCSVMEHALNNHYTKSLSPGK	476

```

1      RESULT 3
2      US-08-458-516-13
3      : Sequence 13, Application US/08458516
4      : Patent No. 5777085
5      : GENERAL INFORMATION:
6      : APPLICANT: Co, Man Sung
7      : APPLICANT: Two, J. Yun
8      : TITLE OF INVENTION: Humanized Antibodies Reactive with
9      : TITLE OF INVENTION: GPIIB/IIIA
10     : NUMBER OF SEQUENCES: 23
11     : CORRESPONDENCE ADDRESS:
12     : ADDRESS: William M. Smith
13     : STREET: One Market Plaza, Steuart Tower, Suite 2000
14     : CITY: San Francisco
15     : STATE: California
16     : COUNTRY: USA
17     : ZIP: 94105
18     : COMPUTER READABLE FORM:
19     : MEDIUM TYPE: Floppy disk
20     : COMPUTER: IBM PC compatible
21     : OPERATING SYSTEM: PC-DOS/MS-DOS
22     : SOFTWARE: PatentIn Release #1.0, Version #1.25
23     : CURRENT APPLICATION DATA:
24     : APPLICATION NUMBER: US/08/458,516
25     : FILING DATE:
26     : CLASSIFICATION: 424
27     : PRIOR APPLICATION DATA:
28     : APPLICATION NUMBER: US 08/059,159
29     : FILING DATE: 03-MAY-1993
30     : ATTORNEY/AGENT INFORMATION:
31     : NAME: Smith, William M.
32     : REGISTRATION NUMBER: 30,223
33     : REFERENCE/DOCKET NUMBER: 11823-37-3
34     : TELECOMMUNICATION INFORMATION:
35     : TELEPHONE: 415-326-2400
36     : TELEFAX: 415-326-2422
37     : INFORMATION FOR SEQ ID NO: 13:
38     : SEQUENCE CHARACTERISTICS:
39     : LENGTH: 449 amino acids
40     : TYPE: amino acid
41     : STRANDEDNESS: single
42     : TOPOLOGY: linear
43     : MOLECULE TYPE: protein
44     : US-08-458-516-13

```

Query Match	88.6%	Score 2230	DB 1	Length 449
Best Local Similarity	93.1%	Pred. No. 1.5e-161		
Matches 420	Conservative 14	Mismatches 15	Indels 2	Gaps 2

OY 20 QVQLVQSGAEYKKPGASVKYSCKASGFTFTSYMMQMVAAPAGGLEEMGEIDPSDSYTN 79
| | | | | : | | | | | : | | | | | : | |
Db 1 QVQLVQSGAEYKPPGSSVKYSCKASGAFTNYYLEWTRQAPGGGLEIMTIGIYIPGSGSTNY 600

[illegible]

RESULT 4
 US-09-027-449-71
 Sequence 71, Application US/09027449
 Patent No. 6025158
 GENERAL INFORMATION:
 APPLICANT: Gonzalez, Tania R.
 APPLICANT: Leong, Steven R.
 APPLICANT: Presta, Leonard G.
 TITLE OF INVENTION: Antibody Fragment-Polymer Conjugates and
 TITLE OF INVENTION: Humanized Anti-IL-8 Monoclonal Antibodies
 NUMBER OF SEQUENCES: 72
 CORRESPONDENCE ADDRESSES:
 ADDRESSEE: Genentech, Inc.
 STREET: 1 DNA Way
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: WinPatIn (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/027,449
 FILING DATE: 20-Feb-1998
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 60/074,330
 FILING DATE: 22-Jan-1998
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 60/038,664
 FILING DATE: 21-Feb-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Love, Richard B.
 REGISTRATION NUMBER: 34,659
 REFERENCE/DOCKET NUMBER: P1085R3-2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650/225-5530
 TELEFAX: 650/952-9881
 INFORMATION FOR SEQ ID NO: 71:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 452 amino acids

TYPE: Amino Acid
;
; TOPOLGY: Linear
; US-09-027-449-71

Query Match	87.8%;	Score 2210.5;	DB 3;	Length 452;
Best Local Similarity	90.3%;	Pred. No. 4.7e-162;		
Matches 408;	Conservative 27;	Mismatches 16;	Indels 1;	Gaps 1;

```

Oy 20 OVOLVOSAEVYKVPASVYKVCCKSAGYFTTSTVMOMVROCAPQOGLMMGEIDPISDXTNY 79
Db 1 EVOLVOSGGLVQPOGSGSLRLSCASAGYSPSSHMMVWQAPFGKLEMGVIGIDPSNGETTY 60
Oy 80 NQKFGKRVLTITRDYSTSTAYMELSLSLSEBDTAVVYCAR-NRDYSNNVYFDVWGEGLTVY 138
Db 61 NQKFGKRVLTITRDNSKNTAYLQMNLSLRBDZTAVVYCARGDYVYNGMFPFDVWQOGLTVY 120
Oy 139 SSASTKGSVYPLAPSSKSTSGGTALGCTVYDYPEPPTVSWNSGALTSQHTTTPAVIQ 198
Db 121 SSASTKGSVYPLAPSSKSTSGGTALGCTVYDYPEPPTVSWNSGALTSQHTTTPAVIQ 180
Oy 199 SSGYLSLSSVTVYVPESSSLGTQTYICNVNHHKPSNTVYDKKAVEBKS CDKHTTCCPCAPBELL 258
Db 181 SSGYLSLSSVTVYVPESSSLGTQTYICNVNHHKPSNTVYDKKAVEBKS CDKHTTCCPCAPBELL 240
Oy 259 GGPSTVYFLPEPKPOTLMTSRTPPEVTCVYVDVSHEDPEVKFMMYVYDGVYVHNAKTKRREO 318
Db 241 GGPSTVYFLPEPKPOTLMTSRTPPEVTCVYVDVSHEDPEVKFMMYVYDGVYVHNAKTKRREO 300
Oy 319 YNSTTRVYVYTLVTLHQDMVNGKEYCKVSNKRLPAPIEKTISKAGQPREPOVYTLPPSR 378
Db 301 YNSTTRVYVYTLVTLHQDMVNGKEYCKVSNKRLPAPIEKTISKAGQPREPOVYTLPPSR 360
Oy 379 EEMTKNQVSLTCLVKGYFSPSIDAWEVMSNGQPENNYKTTTPVYLDSDGSFFLYSKITLVDS 438
Db 361 EEMTKNQVSLTCLVKGYFSPSIDAWEVMSNGQPENNYKTTTPVYLDSDGSFFLYSKITLVDS 420
Oy 439 RMQOGNVFSCSVMEHALNNHTOKSLSLSPGK 470
Db 421 RMQOGNVFSCSVMEHALNNHTOKSLSLSPGK 452

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RESULT 5
US-09-026-985-71
Sequence 71, Application US/09026985
Patent No. 6133426
GENERAL INFORMATION:
Applicant: Gonzalez, Tania R.
Applicant: Leong, Steven R.
Applicant: Presta, Leonard G.
TITLE OF INVENTION: Antibody Fragment-Polymer Conjugates and
TITLE OF INVENTION: Humanized Anti-IL-6 Monoclonal Antibodies
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/026,985
FILING DATE: 20-Feb-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: TPLE085R3-1
TELECOMMUNICATION INFORMATION:

TELEPHONE: 650/225-5530
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 452 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-09-026-985-71

Query Match 87.8%; Score 2210.5; DB 3; Length 452;
Best Local Similarity 90.3%; Pred. No. 4.7e-162; Indels 1; Gaps 1;
Matches 408; Conservative 27; Mismatches 16;

20 QVQLVQSGAEVKKPGASVKVSCKAASGTTFTSYMMQWRQAPGGQLEWGEIDSSTNY 79
1 EVQLVDSGGGLVPGGSLRLSCAASGYSFSSHTMHWROAPGKGLVGVGIDPSNGETTY 60
QY 80 NQFKGRVITTRDSTSTAYMELSLRSEDTAVYYCAR-NRDYSNNMYFDVWGEGTLVTV 138
DB 61 NQFKGRFTLSRDNSKNTAYLQWNSLRAEEDTAVYYCARGDYRYNGDFFVWGQGLTVTV 120
QY 139 SSASTGSPSVFLPAPSSKTSSTGTAALGCLVKDPPPTVTVSNNSGALTSGVHTFPAVLQ 198
DB 121 SSASTGSPSVFLPAPSSKTSSTGTAALGCLVKDPPPTVTVSNNSGALTSGVHTFPAVLQ 180
QY 199 SSGLYSLSSVTVTPSSSLGTQYICNVNHPKNTKVDKVEPKSCDKHTHCPCPAPELL 258
DB 181 SSGLYSLSSVTVTPSSSLGTQYICNVNHPKNTKVDKVEPKSCDKHTHCPCPAPELL 240
QY 259 GGPSTVFLPFPKPKDTLMISRTPEVTCVVDVSHEDPEVKENMYVDGVEVNAKTKPREEQ 318
DB 241 GGPSTVFLPFPKPKDTLMISRTPEVTCVVDVSHEDPEVKENMYVDGVEVNAKTKPREEQ 300
QY 319 YNSTTRVSVLTLYLHODWLNKGEYKCKVSNKALPAPIEKTIISAKGQPREPQVYTLPPSR 378
DB 301 YNSTTRVSVLTLYLHODWLNKGEYKCKVSNKALPAPIEKTIISAKGQPREPQVYTLPPSR 360
QY 379 EEMTKQVSLTCLVKGFPYPSDIAVEWESNGQPENNYKTPPVLDSDGSFELYSLTVDKS 438
DB 361 EEMTKQVSLTCLVKGFPYPSDIAVEWESNGQPENNYKTPPVLDSDGSFELYSLTVDKS 420
QY 439 RMOQGNVFCSCVMEALHNHYTOKSLSPGK 470
DB 421 RMOQGNVFCSCVMEALHNHYTOKSLSPGK 452

RESULT 6
US-09-121-952A-71
Sequence 71, Application US/09121952A
Patent No. 6458355

GENERAL INFORMATION:
APPLICANT: Genentech, Inc., Heel, Vanessa
APPLICANT: Koumenis, Iphigenia
APPLICANT: Leong, Steven R.
APPLICANT: Presta, Leonard G.
APPLICANT: Shahrokh, Zahra
APPLICANT: Zapata, Gerardo A.
TITLE OF INVENTION: METHODS OF TREATING INFLAMMATORY DISEASES
TITLE OF INVENTION: WITH ANTI-IL-8 ANTIBODY FRAGMENT-POLYMER CONJUGATES
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/121, 952A
FILING DATE: 24-Jul-1998
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/074330
FILING DATE: 22-Jan-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/075467
FILING DATE: 20-FEB-1998
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: F1085R4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 452 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-09-121-952A-71

Query Match 87.8%; Score 2210.5; DB 4; Length 452;
Best Local Similarity 90.3%; Pred. No. 4.7e-162; Indels 1; Gaps 1;
Matches 408; Conservative 27; Mismatches 16;

20 QVQLVQSGAEVKKPGASVKVSCKAASGTTFTSYMMQWRQAPGGQLEWGEIDSSTNY 79
1 EVQLVDSGGGLVPGGSLRLSCAASGYSFSSHTMHWROAPGKGLVGVGIDPSNGETTY 60
QY 80 NQFKGRVITTRDSTSTAYMELSLRSEDTAVYYCAR-NRDYSNNMYFDVWGEGTLVTV 138
DB 61 NQFKGRFTLSRDNSKNTAYLQWNSLRAEEDTAVYYCARGDYRYNGDFFVWGQGLTVTV 120
QY 139 SSASTGSPSVFLPAPSSKTSSTGTAALGCLVKDPPPTVTVSNNSGALTSGVHTFPAVLQ 198
DB 121 SSASTGSPSVFLPAPSSKTSSTGTAALGCLVKDPPPTVTVSNNSGALTSGVHTFPAVLQ 180
QY 199 SSGLYSLSSVTVTPSSSLGTQYICNVNHPKNTKVDKVEPKSCDKHTHCPCPAPELL 258
DB 181 SSGLYSLSSVTVTPSSSLGTQYICNVNHPKNTKVDKVEPKSCDKHTHCPCPAPELL 240
QY 259 GGPSTVFLPFPKPKDTLMISRTPEVTCVVDVSHEDPEVKENMYVDGVEVNAKTKPREEQ 318
DB 241 GGPSTVFLPFPKPKDTLMISRTPEVTCVVDVSHEDPEVKENMYVDGVEVNAKTKPREEQ 300
QY 319 YNSTTRVSVLTLYLHODWLNKGEYKCKVSNKALPAPIEKTIISAKGQPREPQVYTLPPSR 378
DB 301 YNSTTRVSVLTLYLHODWLNKGEYKCKVSNKALPAPIEKTIISAKGQPREPQVYTLPPSR 360
QY 379 EEMTKQVSLTCLVKGFPYPSDIAVEWESNGQPENNYKTPPVLDSDGSFELYSLTVDKS 438
DB 361 EEMTKQVSLTCLVKGFPYPSDIAVEWESNGQPENNYKTPPVLDSDGSFELYSLTVDKS 420
QY 439 RMOQGNVFCSCVMEALHNHYTOKSLSPGK 470
DB 421 RMOQGNVFCSCVMEALHNHYTOKSLSPGK 452

RESULT 7
US-09-234-340A-71
Sequence 71, Application US/09234340A
Patent No. 6468532

GENERAL INFORMATION:
APPLICANT: Genentech, Inc., Heel, Vanessa
APPLICANT: Koumenis, Iphigenia
APPLICANT: Leong, Steven R.
APPLICANT: Presta, Leonard G.
APPLICANT: Shahrokh, Zahra
APPLICANT: Zapata, Gerardo A.
TITLE OF INVENTION: METHODS OF TREATING INFLAMMATORY DISEASES
TITLE OF INVENTION: WITH ANTI-IL-8 ANTIBODY FRAGMENT-POLYMER CONJUGATES

NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:
ADDRESSER: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Minipac (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/234,340A
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/121,952
FILING DATE: 24-Jul-1998
APPLICATION NUMBER: 60/074330
FILING DATE: 22-Jan-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/075467
FILING DATE: 20-FEB-1998
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P1085R4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEFAX: 650/952-9981
APPLICATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 452 amino acids
TYPE: Amino Acid
TOPOLOGY: linear
US-09-234-340A-71

Query Match 87.8%; Score 2210.5; DB 4; Length 452;
Best Local Similarity 90.3%; Pred. No. 4,76-162;
Matches 408; Conservative 27; Mismatches 16; Indels 1; Gaps 1;

20 QVTVVSGAGVKKRGASVKSCKASGYFTSYMMQWROAAGGGLMMGRTIDPSDSTNY 79
1 EVOLVGGGVLQVGGSLRLSCASGYSFSSHYMWROAGKGLMVGITDPSNGETTY 60
80 NQKFKGVTITRDTSTSTAVMELSLRSEDTAVYYCAR-NRDYSNNMYFDVWGEGLVTV 138
61 NQKFKGFTLSRDNKSTAYLQNMSLAEDTAAYYCARGDYRNGDMFEDVWGGTILTV 120
139 SSASTKGPVPLAPSSKSTSGTALGCLVQYFPEPVTVSNMNGALTSQHTFPAYLQ 198
121 SSASTKGPVPLAPSSKSTSGTALGCLVQYFPEPVTVSNMNGALTSQHTFPAYLQ 180
199 SSGGLYSSTVTVWSSSLGTQTYICNVNHRKSNKVDKRVKPKCDKTHTPPPAPBEL 258
181 SSGGLYSSTVTVWSSSLGTQTYICNVNHRKSNKVDKRVKPKCDKTHTPPPAPBEL 240
259 GGSVPFLPPKPKQDTLMSRTPEVTCVVVDVSHEDPEVKFMWYDGVENHAKKRPBEQ 318
241 GGSVPFLPPKPKQDTLMSRTPEVTCVVVDVSHEDPEVKFMWYDGVENHAKKRPBEQ 300
319 YNSTYRVVSLTVLHODMLNGKEYKCKVSNKALPAPIEKTIISKAKGQPREPQVYTLPPSR 378
301 YNSTYRVVSLTVLHODMLNGKEYKCKVSNKALPAPIEKTIISKAKGQPREPQVYTLPPSR 360
379 EEMTKNQSILTCVKGFPYPSDIAVEWESNGQPENNYTKTTPPVLDDSDGFLYSLKLTVDKS 438
361 EEMTKNQSILTCVKGFPYPSDIAVEWESNGQPENNYTKTTPPVLDDSDGFLYSLKLTVDKS 420
439 RMOQGNVFCSCVMHEALHNHYTQKSLSLSPGK 470

DB 421 RMOQGNVFCSCVMHEALHNHYTQKSLSLSPGK 452

RESULT 8
US-09-049-672A-8
Sequence 8, Application US/09049672A
Patent No. 6135941
GENERAL INFORMATION:
APPLICANT: Hillman, Jennifer L.
APPLICANT: Lal, Preeti
APPLICANT: Tang, Y. Tom
APPLICANT: Yue, Henry
APPLICANT: Au-Young, Janice
APPLICANT: Corley, Neil C.
APPLICANT: Guegler, Karl J.
APPLICANT: Baugun, Mariah R.
TITLE OF INVENTION: HUMAN IMMUNE SYSTEM ASSOCIATED PROTEINS
NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESSER: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/049,672A
FILING DATE: HEREWITH
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Cerrone, Michael C
REGISTRATION NUMBER: 39,132
REFERENCE/DOCKET NUMBER: PP-0497 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-855-0555
TELEFAX: 650-845-4166
TELEX:
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 467 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: LUNGUT11
CLONE: 2747531
US-09-049-672A-8

Query Match 87.7%; Score 2207.5; DB 3; Length 467;
Best Local Similarity 89.2%; Pred. No. 8,46-162;
Matches 414; Conservative 20; Mismatches 27; Indels 3; Gaps 1;

7 ILFLVATATGVHGOVOLVSGAEVKKRGASVKSCKASGYFTSYMMQWROAAGGGLM 66
7 ILFLVATATGVHGOVOLVSGAEVKKRGASVKSCKASGYFTSYMMQWROAAGGGLM 66
67 MGEIDPSDSTYNNQKFKGVTITRDTSTSTAVMELSLRSEDTAVYYCARNRDYSNNMY 126
67 MGLAPENGAEVAVYQKFLGRLTLSSEDTADTAAYVFLNNLSGSDSAIYYCARQH---YDF 123
127 FDVWGEGLVTVWSSSLGTQTYICNVNHRKSNKVDKRVKPKCDKTHTPPPAPBEL 186
124 FDFWGGTITVTVWSSSLGTQTYICNVNHRKSNKVDKRVKPKCDKTHTPPPAPBEL 183
187 TSGVHTFPAYLQSSGLYSSTVTVWSSSLGTQTYICNVNHRKSNKVDKRVKPKCDKTH 246

Db 184 TSGVHTPAVLQSSGSLSSVVTVPSSSLGTQTYICNNHKSNTKVDKXEPKSCDT 243
Qy 247 HTCPCPABELLGGPSVFLPPPKKDTLMISRTPEVTCVVDVSHDEPEKFNWYDGV 306
Db 244 HTCPCPABELLGGPSVFLPPPKKDTLMISRTPEVTCVVDVSHDEPEKFNWYDGV 303
Qy 307 VNAAKTKPREEQYNSTYRVSVTLVLHOMLNKEKCKVSNKALPAPTEKTSKAKGP 366
Db 304 VNAAKTKPREEQYNSTYRVSVTLVLHOMLNKEKCKVSNKALPAPTEKTSKAKGP 363
Qy 367 REPQVYTLPPSRREEMTKNOVSLTCLVKGFPSDIAVEMESNGQPENNYKTTPEVLSDGS 426
Db 364 REPQVYTLPPSRREEMTKNOVSLTCLVKGFPSDIAVEMESNGQPENNYKTTPEVLSDGS 423
Qy 427 PFYLSKLTVDKSRMOQGNVFCSCVMHEALHNHYTKSLSPGK 470
Db 424 PFYLSKLTVDKSRMOQGNVFCSCVMHEALHNHYTKSLSPGK 467

RESULT 9
US-09-301-593-30
Sequence 30, Application US/09301593A
Patent No. 6455677
GENERAL INFORMATION:
APPLICANT: Park, John E.
APPLICANT: Garin-Chessa, Pilar
APPLICANT: Bamberger, Uwe
APPLICANT: Leger, Olivier
APPLICANT: Saldanha, Jose W.
APPLICANT: Rectis, Wolfgang J.
TITLE OF INVENTION: FAP-Specific Antibody with Improved Productibility
FILE REFERENCE: 0652.1890001
CURRENT APPLICATION NUMBER: US/09/301,593A
CURRENT FILING DATE: 1999-04-29
EARLIER APPLICATION NUMBER: EP 98107925.4
EARLIER FILING DATE: 1998-04-30
EARLIER APPLICATION NUMBER: US 60/086,049
EARLIER FILING DATE: 1998-05-18
NUMBER OF SEQ ID NOS: 108
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 30
LENGTH: 472
TYPE: PRT
ORGANISM: Homo sapiens
US-09-301-593-30

Query Match 87.0%; Score 2190; DB 4; Length 472;
Best Local Similarity 87.5%; Pred. No. 1.9e-160; Indels 4; Gaps 2;
Matches 414; Conservative 19; Mismatches 36;

Qy 1 MGMSCTFLVATATGVSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWRQAP 60
Db 1 MGMSWVLFLLISGAGLSEVQLQDSGPVELPKASAYMSCKSRFTFTETITIMVQSH 60
Qy 61 GQGLEWMEGIDPSDSYTNQKFKGRVTTTRDSTSTAYMELSLRSEDTAVYYCARNR- 119
Db 61 GKSLEWIGGINPNNGIDRYNQKFKGRATILTVGKSSSTAYMELSLTSDSAVYFCARRI 120
Qy 120 --DYSNMYFDWMEGRLVTVSSASTKGPSPVPLAPSSKTSGGTAALGCLVKQYFPEV 177
Db 121 AYGDGEGHAMDYWGQGSVTVSS--STKGPSPVPLAPSSKTSGGTAALGCLVKYFPEV 179
Qy 178 TVSNAGALTSQVHTPAVLQSSGSLSSVVTVPSSSLGTQTYICNNHKSNTKVDK 237
Db 180 TVSNAGALTSQVHTPAVLQSSGSLSSVVTVPSSSLGTQTYICNNHKSNTKVDK 239
Qy 238 VEPKSCDKHTCPCPABELLGGPSVFLPPPKKDTLMISRTPEVTCVVDVSHDEPEV 297
Db 240 VEPKSCDKHTCPCPABELLGGPSVFLPPPKKDTLMISRTPEVTCVVDVSHDEPEV 299
Qy 298 FNNYVDGVEVNAKTKPREEQYNSTYRVSVTLVLHOMLNKEKCKVSNKALPAPTEK 357

Db 300 FNNYVDGVEVNAKTKPREEQYNSTYRVSVTLVLHOMLNKEKCKVSNKALPAPTEK 359
Qy 358 TISKAKGPREQVYTLPPSRREEMTKNOVSLTCLVKGFPSDIAVEMESNGQPENNYKTT 417
Db 360 TISKAKGPREQVYTLPPSRREEMTKNOVSLTCLVKGFPSDIAVEMESNGQPENNYKTT 419
Qy 418 PVLSDSGSFFLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYTKSLSPGK 470
Db 420 PVLSDSGSFFLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYTKSLSPGK 472

RESULT 10
US-09-485-737B-67
Sequence 67, Application US/09485737B
Patent No. 6350860
GENERAL INFORMATION:
APPLICANT: Bayne, Marie-Ange
APPLICANT: Sablon, Edwin
TITLE OF INVENTION: INTERFERON-gamma-BINDING MOLECULES FOR TREATING SEPTIC SHOCK.
FILE REFERENCE: INNS:015
CURRENT APPLICATION NUMBER: US/09/485,737B
CURRENT FILING DATE: 2000-02-14
PRIOR APPLICATION NUMBER: PCT/EP 98/05165
PRIOR FILING DATE: 1998-08-14
PRIOR APPLICATION NUMBER: EPO 98870139.7
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: EPO 97870122.5
PRIOR FILING DATE: 1997-08-18
NUMBER OF SEQ ID NOS: 104
SOFTWARE: PatentIn version 3.0
SEQ ID NO 67
LENGTH: 468
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: SYNTHETIC
US-09-485-737B-67

Query Match 86.3%; Score 2172; DB 4; Length 468;
Best Local Similarity 88.0%; Pred. No. 4.5e-159; Indels 4; Gaps 1;
Matches 409; Conservative 20; Mismatches 32;

Qy 6 IILFVATATGVSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWRQAPGQGLE 65
Db 7 IISFLISASVILISQVQLVQSGSELEKPKASVVISCKASGYTFTDYDMNWKQAPGGGLK 66
Qy 66 WMGEIDPSDSYTNQKFKGRVTTTRDSTSTAYMELSLRSEDTAVYYCARNDYNNM 125
Db 67 WMGINTYTGESTYVDDFKGRFVFSLDTSVAAYLQISSIKABDTATYFCARRGFVA--- 123
Qy 126 YPDWMEGRLVTVSSASTKGPSPVPLAPSSKTSGGTAALGCLVKQYFPEVTVSNMGA 185
Db 124 --MDYWGQGITVTVSSASTKGPSPVPLAPSSKTSGGTAALGCLVKQYFPEVTVSNMGA 182
Qy 186 LTSQVHTPAVLQSSGSLSSVVTVPSSSLGTQTYICNNHKSNTKVDKRVKPSKCDK 245
Db 183 LTSQVHTPAVLQSSGSLSSVVTVPSSSLGTQTYICNNHKSNTKVDKRVKPSKCDK 242
Qy 246 THTCPCPABELLGGPSVFLPPPKKDTLMISRTPEVTCVVDVSHDEPEKFNWYDGV 305
Db 243 THTCPCPABELLGGPSVFLPPPKKDTLMISRTPEVTCVVDVSHDEPEKFNWYDGV 302
Qy 306 EVNAKTKPREEQYNSTYRVSVTLVLHOMLNKEKCKVSNKALPAPTEKTSKAKQ 365
Db 303 EVNAKTKPREEQYNSTYRVSVTLVLHOMLNKEKCKVSNKALPAPTEKTSKAKQ 362
Qy 366 PREQVYTLPPSRREEMTKNOVSLTCLVKGFPSDIAVEMESNGQPENNYKTTPEVLSDG 425
Db 363 PREQVYTLPPSRREEMTKNOVSLTCLVKGFPSDIAVEMESNGQPENNYKTTPEVLSDG 422
Qy 426 SFFLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYTKSLSPGK 470

Db 423 SFFLYSKLTYDKSRMOQGNVFSCSVMHEALHNHYTOKSLSLSPGK 467

RESULT 11
US-09-485-737B-90
Sequence 90, Application US/09485737B
Patent No. 6350860
GENERAL INFORMATION:
APPLICANT: Bayser, Marie-Ange
APPLICANT: Sablon, Erwin
TITLE OF INVENTION: INTERFERON-gamma-BINDING MOLECULES FOR TREATING SEPTIC SHOCK,
TITLE OF INVENTION: CACHEXIA, IMMUNE DISEASES AND SKIN DISORDERS
FILE REFERENCE: INNS:015
CURRENT APPLICATION NUMBER: US/09/485,737B
CURRENT FILING DATE: 2000-02-14
PRIOR APPLICATION NUMBER: PCT/EP 98/05165
PRIOR FILING DATE: 1998-08-14
PRIOR APPLICATION NUMBER: EPO 98870139.7
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: EPO 97870122.5
PRIOR FILING DATE: 1997-08-18
NUMBER OF SEQ ID NOS: 104
SOFTWARE: PatentIn version 3.0
SEQ ID NO 90
LENGTH: 711
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURES:
OTHER INFORMATION: SYNTHETIC
US-09-485-737B-90

Query Match 86.3%; Score 2172; DB 4; Length 711,
Best Local Similarity 88.0%; Pred. No. 7.9e-159;
Matches 409; Conservative 20; Mismatches 32; Indels 4; Gaps 1;

Qy 6 ILFLVATATGVSQVQLVDSGAEVKRPGASVKVSKASGTTFTSYMMQWTRQAPGGGLB 65
Db 7 IFSLFLIASAVILSLOVQLVDSGSELKPKGASVKISCRASGTTFTDYGMNWKQAPGGGLK 66

Qy 66 WMEIDPSDSYTYNOKPKRVTITRDTSTSTAYMELSLRSEETAYVYCARNDYSNNW 125
Db 67 WMMQINITYGESYTYVDPFKRPFVPSLDTVSAAVLQISLKAEDTATYPCARRGFYA--- 123

Qy 126 YFVWVGGLVTYVSSASTKGPVFLAPSSKSTSGTALGCLVKDYFPEPVTVSWNSGA 185
Db 124 -MDYWGQGITVIVSSASTKGPVFLAPSSKSTSGTALGCLVKDYFPEPVTVSWNSGA 182

Qy 186 LTSGVHTFPAVLQSSGLYSLSVTVTPSSSLGTQTYICNVNHRKPSNTKVDKRVKPKSCDK 245
Db 183 LTSGVHTFPAVLQSSGLYSLSVTVTPSSSLGTQTYICNVNHRKPSNTKVDKRVKPKSCDK 242

Qy 246 THTCPCPAPDELLEGPEVFLPPEPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDG 305
Db 243 THTCPCPAPDELLEGPEVFLPPEPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDG 302

Qy 306 EVNNAKTKPEBOVNSRYRVSVLTFLHDMNLNGEKYCKVSNKALPAPIEKTISSAKGQ 365
Db 303 EVNNAKTKPEBOVNSRYRVSVLTFLHDMNLNGEKYCKVSNKALPAPIEKTISSAKGQ 362

Qy 366 PREPOVYTLPPSRBEEMTKNOVSLTCLVKGFYPSDIAVWESNGQPENNYKTPPVLDSDG 425
Db 363 PREPOVYTLPPSRBEEMTKNOVSLTCLVKGFYPSDIAVWESNGQPENNYKTPPVLDSDG 422

Qy 426 SFFLYSKLTYDKSRMOQGNVFSCSVMHEALHNHYTOKSLSLSPGK 470
Db 423 SFFLYSKLTYDKSRMOQGNVFSCSVMHEALHNHYTOKSLSLSPGK 467

RESULT 12
US-09-301-593-18
Sequence 18, Application US/09301593A
Patent No. 6455677
GENERAL INFORMATION:

APPLICANT: Park, John E.
APPLICANT: Garin-Chesa, Pilar
APPLICANT: Bamberger, Uwe
APPLICANT: Leger, Olivier
APPLICANT: Saldaña, Jose W.
APPLICANT: Rettig, Wolfgang J.
TITLE OF INVENTION: PAF-specific Antibody with Improved Productibility
FILE REFERENCE: 0652.1890001
CURRENT APPLICATION NUMBER: US/09/301,593A
CURRENT FILING DATE: 1999-04-29
EARLIER APPLICATION NUMBER: EP 98107925.4
EARLIER FILING DATE: 1998-04-30
EARLIER APPLICATION NUMBER: US 60/086,049
EARLIER FILING DATE: 1998-05-18
NUMBER OF SEQ ID NOS: 108
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 18
LENGTH: 453
TYPE: PRT
ORGANISM: Homo sapiens
US-09-301-593-18

Query Match 85.4%; Score 2150.5; DB 4; Length 453,
Best Local Similarity 89.4%; Pred. No. 1.9e-157;
Matches 405; Conservative 15; Mismatches 30; Indels 3; Gaps 1;

Qy 21 VOLVDSGAEVKRPGASVKVSKASGTTFTSYMMQWTRQAPGGGLBMDPSDSTNNYN 80
Db 1 VOLVDSGAEVKRPGASVKVSKASGTTFTSYMMQWTRQAPGGGLBMDPSDSTNNYN 80

Qy 81 QKPKGRVITITRDTSTSTAYMELSLRSEETAYVYCARNDYSNNWYFPMWEGGLVLT 137
Db 61 QKPKGRVITITRDTSTSTAYMELSLRSEETAYVYCARNDYSNNWYFPMWEGGLVLT 120

Qy 138 VSSASTKGPVFLAPSSKSTSGTALGCLVKDYFPEPVTVSWNSGALISGHTFPAVL 197
Db 121 VSSASTKGPVFLAPSSKSTSGTALGCLVKDYFPEPVTVSWNSGALISGHTFPAVL 180

Qy 198 QSSGLYSLSVTVTPSSSLGTQTYICNVNHRKPSNTKVDKRVKPKSCDKTHCPCPAPDEL 257
Db 181 QSSGLYSLSVTVTPSSSLGTQTYICNVNHRKPSNTKVDKRVKPKSCDKTHCPCPAPDEL 240

Qy 258 LGGSPVFLPPEPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVNAKTKPREE 317
Db 241 LGGSPVFLPPEPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVNAKTKPREE 300

Qy 318 QYNSTYRVSVLTFLHDMNLNGEKYCKVSNKALPAPIEKTISSAKGQPREPOVYTLPPS 377
Db 301 QYNSTYRVSVLTFLHDMNLNGEKYCKVSNKALPAPIEKTISSAKGQPREPOVYTLPPS 360

Qy 378 REEMTKNOVSLTCLVKGFYPSDIAVWESNGQPENNYKTPPVLDSDGSEFLYSLTYDK 437
Db 361 REEMTKNOVSLTCLVKGFYPSDIAVWESNGQPENNYKTPPVLDSDGSEFLYSLTYDK 420

Qy 438 SRMOQGNVFSCSVMHEALHNHYTOKSLSLSPGK 470
Db 421 SRMOQGNVFSCSVMHEALHNHYTOKSLSLSPGK 453

RESULT 13
US-08-793-450-8
Sequence 8, Application US/08793450
Patent No. 6312690
GENERAL INFORMATION:
APPLICANT: EDELMAN, LENA
APPLICANT: MARGARITTE, CHRISTEL
APPLICANT: KACZOREK, MICHEL
APPLICANT: CHABIRI, HASSAN
TITLE OF INVENTION: MONOCLONAL RECOMBINANT ANTI-RHESUS D
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCCLLELLAND, MAIER & NEUSTADT,

ADDRESSER: P.C.
STREET: 1755 SOUTH JEFFERSON DAVIS HIGHWAY, SUITE 400
CITY: ARLINGTON
STATE: VA
COUNTRY: USA
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/793,450
FILING DATE: 03-MAR-1997
CLASSIFICATION: 536
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: FR 94/10566
FILING DATE: 02-SEP-1994
ATTORNEY/AGENT INFORMATION:
NAME: OBLON, NORMAN F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 660-118-0 PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-413-3000
TELEFAX: 703-413-2220
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 472 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-793-450-8

Query Match 85.2%; Score 2146; DB 4; Length 472;
Best Local Similarity 85.3%; Pred. No. 4,6e-157;
Matches 405; Conservative 22; Mismatches 37; Indels 8; Gaps 3;
QY 1 MGNMCIILPLVATATGVSQVQVQSGAEVKKPGASVKSCKASGYTFSTYMMQWVROAP 60
DB 1 MGNMCIILPLVATATGVSQVQVQSGAEVKKPGASVKSCKASGYTFSTYMMQWVROAP 60
QY 61 GGLMMEGETIDPDSSTNNQKRGRTIRDTSTANMELSLRSEDPAVYYCARNRD 120
DB 61 GGLMMEGETIDPDSSTNNQKRGRTIRDTSTANMELSLRSEDPAVYYCARNRD 120
QY 61 GGLMMEGETIDPDSSTNNQKRGRTIRDTSTANMELSLRSEDPAVYYCARNRD 120
DB 61 GGLMMEGETIDPDSSTNNQKRGRTIRDTSTANMELSLRSEDPAVYYCARNRD 120
QY 121 YSNM-----YFPMWGGTLLVTVSSASTKGPSPVPLAPSSKSTSGTAAAGCLVKDYFPE 175
DB 121 YSNM-----YFPMWGGTLLVTVSSASTKGPSPVPLAPSSKSTSGTAAAGCLVKDYFPE 175
QY 120 Y--KMTYHGDWEPKMGQSTTVYSSASTKGPSPVPLAPSSKSTSGTAAAGCLVKDYFPE 177
DB 120 Y--KMTYHGDWEPKMGQSTTVYSSASTKGPSPVPLAPSSKSTSGTAAAGCLVKDYFPE 177
QY 176 PVTVMNSGALTSQVHTFPFPAVLQSSGLYSLSSVTVVSSSLGTQTYICNVNHRKPSNTKD 235
DB 176 PVTVMNSGALTSQVHTFPFPAVLQSSGLYSLSSVTVVSSSLGTQTYICNVNHRKPSNTKD 235
QY 178 PVTVMNSGALTSQVHTFPFPAVLQSSGLYSLSSVTVVSSSLGTQTYICNVNHRKPSNTKD 237
DB 178 PVTVMNSGALTSQVHTFPFPAVLQSSGLYSLSSVTVVSSSLGTQTYICNVNHRKPSNTKD 237
QY 236 KRYEPPSCDKTHTCPCPCAPPELLGGSVPFLPPKPKDTLMISRPETTCVVDVSHEDPE 295
DB 236 KRYEPPSCDKTHTCPCPCAPPELLGGSVPFLPPKPKDTLMISRPETTCVVDVSHEDPE 295
QY 238 KKAEPKSCDKTQCPCPAPPELLGGSVPFLPPKPKDTLMISRPETTCVVDVSHEDPE 297
DB 238 KKAEPKSCDKTQCPCPAPPELLGGSVPFLPPKPKDTLMISRPETTCVVDVSHEDPE 297
QY 296 VKENMAYVDGVEVNAKTKPREBOYNSTYRVVSVTLVHODMNLGKEVKCKYKNALPAPI 355
DB 296 VKENMAYVDGVEVNAKTKPREBOYNSTYRVVSVTLVHODMNLGKEVKCKYKNALPAPI 355
QY 356 EKTISKAKGQPREPQVYTLPPSRREEMTKNQVSLTCLVKGFYPSDIAVEMESNQGPENNYK 415
DB 356 EKTISKAKGQPREPQVYTLPPSRREEMTKNQVSLTCLVKGFYPSDIAVEMESNQGPENNYK 415
QY 358 EKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEMESNQGPENNYK 417
DB 358 EKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEMESNQGPENNYK 417
QY 416 TTPPVLDSDGSFFLYSKLTVDKSRMGGNTPSCGVAHREALHNYTQKSLSLSPK 470
DB 416 TTPPVLDSDGSFFLYSKLTVDKSRMGGNTPSCGVAHREALHNYTQKSLSLSPK 470
QY 418 TTPPVLDSDGSFFLYSKLTVDKSRMGGNTPSCGVAHREALHNYTQKSLSLSPK 472
DB 418 TTPPVLDSDGSFFLYSKLTVDKSRMGGNTPSCGVAHREALHNYTQKSLSLSPK 472

RESULT 14
US-07-934-373C-22
Sequence 22, Application US/07934373C

Patent No. 5821337
GENERAL INFORMATION:
APPLICANT: Paul J. Carter
APPLICANT: Leonard G. Presta
TITLE OF INVENTION: Immunoglobulin Variants
NUMBER OF SEQUENCES: 48
CORRESPONDENCE ADDRESS:
ADDRESSER: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/934,373C
FILING DATE: 21-Aug-1992
CLASSIFICATION: 530
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/05126
FILING DATE: 15-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/715272
FILING DATE: 14-JUN-1991
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER: 40,378
REFERENCE/DOCKET NUMBER: P0709P2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/952-9881
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 454 amino acids
TYPE: Amino Acid
TOPOLOGY: linear
US-07-934-373C-22

Query Match 85.1%; Score 2142.5; DB 2; Length 454;
Best Local Similarity 88.3%; Pred. No. 8e-157;
Matches 401; Conservative 20; Mismatches 30; Indels 3; Gaps 1;
QY 20 QVQLVQSGAEVKKPGASVKYSCKASGYTFSTYMMQWVROAPGGLMMEGETIDPDSSTNN 79
DB 1 QVQLVQSGAEVKKPGASVKYSCKASGYTFSTYMMQWVROAPGGLMMEGETIDPDSSTNN 79
QY 80 NQKFKGVTITRDTSTSTAYMELSLRSEDPAVYYCARNRDYSNM--YFDVWGGTLLV 136
DB 80 NQKFKGVTITRDTSTSTAYMELSLRSEDPAVYYCARNRDYSNM--YFDVWGGTLLV 136
QY 61 NORFMDKATLAVDKSTSTAYMELSLRSEDPAVYYCARNRDYSNM--YFDVWGGTLLV 120
DB 61 NORFMDKATLAVDKSTSTAYMELSLRSEDPAVYYCARNRDYSNM--YFDVWGGTLLV 120
QY 137 TVSSASTKGPSPVPLAPSSKSTSGTAAAGCLVKDYFPEPVTVSSNGALTSQVHTFP 196
DB 137 TVSSASTKGPSPVPLAPSSKSTSGTAAAGCLVKDYFPEPVTVSSNGALTSQVHTFP 196
QY 121 TVSSASTKGPSPVPLAPSSKSTSGTAAAGCLVKDYFPEPVTVSSNGALTSQVHTFP 180
DB 121 TVSSASTKGPSPVPLAPSSKSTSGTAAAGCLVKDYFPEPVTVSSNGALTSQVHTFP 180
QY 197 LQSSGLYSLSSVTVVSSSLGTQTYICNVNHRKPSNTKVDKRYEPPSCDKTHTCPCAP 256
DB 197 LQSSGLYSLSSVTVVSSSLGTQTYICNVNHRKPSNTKVDKRYEPPSCDKTHTCPCAP 256
QY 181 LQSSGLYSLSSVTVVSSSLGTQTYICNVNHRKPSNTKVDKRYEPPSCDKTHTCPCAP 240
DB 181 LQSSGLYSLSSVTVVSSSLGTQTYICNVNHRKPSNTKVDKRYEPPSCDKTHTCPCAP 240
QY 241 LIGGSPVFLPPKPKDTLMISRPETTCVVDVSHEDPEVKFMYVDGVEVNAKTKPRE 300
DB 241 LIGGSPVFLPPKPKDTLMISRPETTCVVDVSHEDPEVKFMYVDGVEVNAKTKPRE 300
QY 317 EGYNSTYRVVSVTLVHODMNLGKEVKCKYKNALPAPIKTIISKAKGQPREPQVYTLPP 376
DB 317 EGYNSTYRVVSVTLVHODMNLGKEVKCKYKNALPAPIKTIISKAKGQPREPQVYTLPP 376
QY 301 EGYNSTYRVVSVTLVHODMNLGKEVKCKYKNALPAPIKTIISKAKGQPREPQVYTLPP 360
DB 301 EGYNSTYRVVSVTLVHODMNLGKEVKCKYKNALPAPIKTIISKAKGQPREPQVYTLPP 360
QY 377 SREEMTKNQVSLTCLVKGFYPSDIAVEMESNQGPENNYKTTTPPVLDSDGSFFLYSKLTVD 436
DB 377 SREEMTKNQVSLTCLVKGFYPSDIAVEMESNQGPENNYKTTTPPVLDSDGSFFLYSKLTVD 436
QY 361 SREEMTKNQVSLTCLVKGFYPSDIAVEMESNQGPENNYKTTTPPVLDSDGSFFLYSKLTVD 420
DB 361 SREEMTKNQVSLTCLVKGFYPSDIAVEMESNQGPENNYKTTTPPVLDSDGSFFLYSKLTVD 420

Qy 437 KSRWQGNVFSVCSVMHBAHNNHTQKSLSPGK 470
 Db 421 KSRWQGNVFSVCSVMHBAHNNHTQKSLSPGK 454

RESULT 15

US-08-437-642B-22
 ; Sequence 22, Application US/08437642B
 ; Patent No. 6054297
 ; GENERAL INFORMATION:
 ; APPLICANT: Paul J. Carter
 ; APPLICANT: Leonard G. Presta
 ; TITLE OF INVENTION: Immunoglobulin Variants
 ; NUMBER OF SEQUENCES: 47
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genentech, Inc.
 ; STREET: 1 DNA Way
 ; CITY: South San Francisco
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94080
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 3.5 inch, 1.44 MB floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: WinPatIn (Genentech)
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/437,642B
 ; FILING DATE: 09-May-1995
 ; CLASSIFICATION: 530
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 07/934373
 ; FILING DATE: 21-AUG-1992
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/146206
 ; FILING DATE: 17-NOV-1993
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: PCT/US92/05126
 ; FILING DATE: 15-JUN-1992
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 07/715272
 ; FILING DATE: 14-JUN-1991
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Lee, Wendy M.
 ; REGISTRATION NUMBER: 40,378
 ; REFERENCE/DOCKET NUMBER: P0709P2C1
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 650/225-1994
 ; TELEFAX: 650/952-9881
 ; INFORMATION FOR SEQ ID NO: 22:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 454 amino acids
 ; TYPE: Amino Acid
 ; TOPOLOGY: linear
 ; WS-08-437-642B-22

Query Match 85.1%, Score 2142.5, DB 3, Length 454;
 Best Local Similarity 88.3%, Pred. No. 8e-157;
 Matches 401; Conservative 20; Mismatches 30; Indels 3; Gaps 1;

Qy 20 QVQLVQSGAEVKKRQASVKISCKASGYTFTSYMMQWVROAPGQGLLEWMGELIDPSDSTNY 79
 Db 1 QVQLVQSGAEVKKRQASVKISCKASGYTFTSYMMQWVROAPGQGLLEWMGELIDPSDSTNY 60
 Qy 80 NQKFKGVITITRDISTSTAYMELSLRSEPTAVYVCARNRDYSNNW--YFDVWGEGTLV 136
 Db 61 NQKFKGVITITRDISTSTAYMELSLRSEPTAVYVCARNRDYSNNW--YFDVWGEGTLV 120
 Qy 137 TVSSASTKGSVFPFLASSTKSGTALGLVQDYFPEPYTVSMNSGALTSVHTTPAV 196
 Db 121 TVSSASTKGSVFPFLASSTKSGTALGLVQDYFPEPYTVSMNSGALTSVHTTPAV 180

Qy 197 LQSSGLYSLSVYTVFPSSSLGTQTYICNVNHRKSNTRKVRKVEPKSCDKHTTCCPCPAPE 256
 Db 181 LQSSGLYSLSVYTVFPSSSLGTQTYICNVNHRKSNTRKVRKVEPKSCDKHTTCCPCPAPE 240
 Qy 257 LIGGSPVFLPPPKXDTLMTSRTPETVCVVVDVSHEDPEVKFNWYVDGVEYHNAKTKPRE 316
 Db 241 LIGGSPVFLPPPKXDTLMTSRTPETVCVVVDVSHEDPEVKFNWYVDGVEYHNAKTKPRE 300
 Qy 317 EYVNSTYRVSVLTVLHODMLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPP 376
 Db 301 EYVNSTYRVSVLTVLHODMLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPP 360
 Qy 377 SREEMTKQVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTPPYLDSGSPFLYSKLTVD 436
 Db 361 SREEMTKQVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTPPYLDSGSPFLYSKLTVD 420
 Qy 437 KSRWQGNVFSVCSVMHBAHNNHTQKSLSPGK 470
 Db 421 KSRWQGNVFSVCSVMHBAHNNHTQKSLSPGK 454

Search completed: February 20, 2004, 13:35:12
 Job time : 16.5872 secs

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OM protein - protein search, using sw model

Run on: February 20, 2004, 13:31:02 ; Search time 35.6422 Seconds
(without alignments)
2761.047 Million cell updates/sec

Title: US-09-499-662-157

Perfect score: 2518
Sequence: 1 MGMSCTILFLVATATGVHSQ.....MEBALHNYTKSLSPGK 470

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 801455 seqs, 209382283 residues

Total number of hits satisfying chosen parameters: 801455

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*
4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*
5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*
6: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep:*
8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
9: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
10: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
11: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep:*
13: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep:*
14: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep:*
15: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep:*
16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*
17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*
18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2518	100.0	470	US-10-384-933-157	Sequence 157, App
2	2518	100.0	470	US-10-216-484-157	Sequence 157, App
3	2498	99.2	470	US-10-384-933-117	Sequence 117, App
4	2498	99.2	470	US-10-384-933-147	Sequence 147, App
5	2498	99.2	470	US-10-216-484-117	Sequence 117, App
6	2498	99.2	470	US-10-216-484-147	Sequence 147, App
7	2497	99.2	470	US-10-384-933-145	Sequence 145, App
8	2497	99.2	470	US-10-216-484-145	Sequence 145, App
9	2495	99.1	470	US-10-384-933-143	Sequence 143, App
10	2495	99.1	470	US-10-216-484-143	Sequence 143, App
11	2485	98.7	470	US-10-384-933-89	Sequence 89, App1
12	2485	98.7	470	US-10-216-484-89	Sequence 89, App1
13	2363.5	93.9	731	US-09-825-012-46	Sequence 46, App1
14	2363.5	93.9	741	US-09-825-012-55	Sequence 55, App1
15	2358.5	93.7	729	US-09-825-012-52	Sequence 52, App1

16	2358.5	93.7	739	10	US-09-825-012-61	Sequence 61, App1
17	2352.5	93.4	730	10	US-09-825-012-49	Sequence 49, App1
18	2352.5	93.4	740	10	US-09-825-012-58	Sequence 58, App1
19	2283.5	90.7	469	12	US-10-377-121-18	Sequence 18, App1
20	2278.5	90.5	469	12	US-10-377-121-22	Sequence 22, App1
21	2272.5	90.3	467	12	US-10-353-708-41	Sequence 41, App1
22	2272.5	90.3	467	12	US-10-353-708-47	Sequence 47, App1
23	2272.5	90.3	467	12	US-10-353-708-54	Sequence 54, App1
24	2272.5	90.3	467	15	US-10-171-4528-41	Sequence 41, App1
25	2272.5	90.3	467	15	US-10-171-4528-47	Sequence 47, App1
26	2272.5	90.3	467	15	US-10-171-4528-59	Sequence 59, App1
27	2270	90.2	476	12	US-10-225-108A-16	Sequence 16, App1
28	2270	90.2	476	12	US-10-461-148-9	Sequence 9, App1
29	2269.5	90.1	467	12	US-10-353-708-53	Sequence 53, App1
30	2269.5	90.1	467	15	US-10-171-4528-53	Sequence 53, App1
31	2269	90.1	476	10	US-09-747-669-3	Sequence 3, App1
32	2269	90.1	476	15	US-10-290-703-3	Sequence 3, App1
33	2245	89.2	472	12	US-10-159-006-43	Sequence 43, App1
34	2245	89.2	489	12	US-10-104-047-3329	Sequence 3329, App
35	2239.5	88.9	448	12	US-10-353-708-48	Sequence 48, App1
36	2239.5	88.9	448	15	US-10-353-708-60	Sequence 60, App1
37	2239.5	88.9	448	15	US-10-171-4528-48	Sequence 48, App1
38	2239.5	88.9	448	15	US-10-171-4528-60	Sequence 60, App1
39	2236.5	88.8	448	12	US-10-353-708-42	Sequence 42, App1
40	2236.5	88.8	448	12	US-10-353-708-54	Sequence 54, App1
41	2236.5	88.8	448	15	US-10-171-4528-42	Sequence 42, App1
42	2236.5	88.8	448	15	US-10-171-4528-54	Sequence 54, App1
43	2235	88.8	476	12	US-10-409-938-15	Sequence 15, App1
44	2220	88.2	468	12	US-10-377-109-2	Sequence 2, App1
45	2217.5	88.1	477	12	US-10-108-260A-4289	Sequence 4289, App

ALIGNMENTS

RESULT 1
US-10-384-933-157
Sequence 157, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antidodies
FILE REFERENCE: 980126CJP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/459,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 157
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy chain of humanized anti-Fas antibody
US-10-384-933-157

Query Match 100.0%; Score 2518; DB 12; Length 470;
Best Local Similarity 100.0%; Pred. No. 9, 1e-166;
Matches 470; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGMSCTILFLVATATGVHSQVOLVQSGARVKKPSAVKSCKASGTYFTSMQWVQAP 60
DB 1 MGMSCTILFLVATATGVHSQVOLVQSGARVKKPSAVKSCKASGTYFTSMQWVQAP 60
QY 61 GGGLEMMGEIDPDSYTNVQKFKGRVTTTRDTSTAYMELSLRSEDPAVYCAANRD 120

Db 61 GGGLEMMGEIDPSSTYNNQKFKGRVTTTDTSTSTAYMELSLRSEDPAVYVCARRND 120
QY 121 YSNMWYFDVWGEGLTVTVSSASTKGPSVFLPAPSSKSTSGGTALGCLVKDYFPEPTVS 180
Db 121 YSNMWYFDVWGEGLTVTVSSASTKGPSVFLPAPSSKSTSGGTALGCLVKDYFPEPTVS 180
QY 181 WNSGALTSGVHTFPAYLQSSGLYSLSVTVVPSSSLGTQTYI CNVNHKPSNTKVDKREVP 240
Db 181 WNSGALTSGVHTFPAYLQSSGLYSLSVTVVPSSSLGTQTYI CNVNHKPSNTKVDKREVP 240
QY 241 KSCDKHTTCCPCPAPBELLGGPSVFLPFPKPKDTLMSRTPEVTCVVDVSHEDPEVKFNW 300
Db 241 KSCDKHTTCCPCPAPBELLGGPSVFLPFPKPKDTLMSRTPEVTCVVDVSHEDPEVKFNW 300
QY 301 YVDGVEVHNAAKTPREBQNSTYRVVSVLTVLHODMLNGKEYCKVSNKALPAPIEKTIS 360
Db 301 YVDGVEVHNAAKTPREBQNSTYRVVSVLTVLHODMLNGKEYCKVSNKALPAPIEKTIS 360
QY 361 KAKGQPREPOVYTLTPPSREEMTKNQVSLTCLVKGFYPSDIAVWESNQGPPENNYKTTTPV 420
Db 361 KAKGQPREPOVYTLTPPSREEMTKNQVSLTCLVKGFYPSDIAVWESNQGPPENNYKTTTPV 420
QY 421 LDSGSEFLLYSKLTVDKSRWQGNVFCGVMHEALHNHTYQSLSPGK 470
Db 421 LDSGSEFLLYSKLTVDKSRWQGNVFCGVMHEALHNHTYQSLSPGK 470

RESULT 2

US-10-216-484-157
; Sequence 157, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 157
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed
; OTHER INFORMATION: heavy chain of humanized anti-Fas antibody
US-10-216-484-157

Query Match 100.0%; Score 2518; DB 15; Length 470;
Best Local Similarity 100.0%; Pred. No. 9, 1e-166;
Matches 470; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGSNCILFLVATATGVHSQVQLVQSGAEVKKPGASVKASCKASGYTFTSYMQWRQAP 60
Db 1 MGSNCILFLVATATGVHSQVQLVQSGAEVKKPGASVKASCKASGYTFTSYMQWRQAP 60
QY 61 GGGLEMMGEIDPSDSTYNNQKFKGRVTTTDTSTSTAYMELSLRSEDPAVYVCARRND 120
Db 61 GGGLEMMGEIDPSDSTYNNQKFKGRVTTTDTSTSTAYMELSLRSEDPAVYVCARRND 120
QY 121 YSNMWYFDVWGEGLTVTVSSASTKGPSVFLPAPSSKSTSGGTALGCLVKDYFPEPTVS 180
Db 121 YSNMWYFDVWGEGLTVTVSSASTKGPSVFLPAPSSKSTSGGTALGCLVKDYFPEPTVS 180
QY 181 WNSGALTSGVHTFPAYLQSSGLYSLSVTVVPSSSLGTQTYI CNVNHKPSNTKVDKREVP 240
Db 181 WNSGALTSGVHTFPAYLQSSGLYSLSVTVVPSSSLGTQTYI CNVNHKPSNTKVDKREVP 240

Db 181 WNSGALTSGVHTFPAYLQSSGLYSLSVTVVPSSSLGTQTYI CNVNHKPSNTKVDKREVP 240
QY 241 KSCDKHTTCCPCPAPBELLGGPSVFLPFPKPKDTLMSRTPEVTCVVDVSHEDPEVKFNW 300
Db 241 KSCDKHTTCCPCPAPBELLGGPSVFLPFPKPKDTLMSRTPEVTCVVDVSHEDPEVKFNW 300
QY 301 YVDGVEVHNAAKTPREBQNSTYRVVSVLTVLHODMLNGKEYCKVSNKALPAPIEKTIS 360
Db 301 YVDGVEVHNAAKTPREBQNSTYRVVSVLTVLHODMLNGKEYCKVSNKALPAPIEKTIS 360
QY 361 KAKGQPREPOVYTLTPPSREEMTKNQVSLTCLVKGFYPSDIAVWESNQGPPENNYKTTTPV 420
Db 361 KAKGQPREPOVYTLTPPSREEMTKNQVSLTCLVKGFYPSDIAVWESNQGPPENNYKTTTPV 420
QY 421 LDSGSEFLLYSKLTVDKSRWQGNVFCGVMHEALHNHTYQSLSPGK 470
Db 421 LDSGSEFLLYSKLTVDKSRWQGNVFCGVMHEALHNHTYQSLSPGK 470

RESULT 3

US-10-384-933-117
; Sequence 117, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; PRIOR FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 117
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-117

Query Match 99.2%; Score 2498; DB 12; Length 470;
Best Local Similarity 98.9%; Pred. No. 2, 2e-164;
Matches 465; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGSNCILFLVATATGVHSQVQLVQSGAEVKKPGASVKASCKASGYTFTSYMQWRQAP 60
Db 1 MGSNCILFLVATATGVHSQVQLVQSGAEVKKPGASVKASCKASGYTFTSYMQWRQAP 60
QY 61 GGGLEMMGEIDPSDSTYNNQKFKGRVTTTDTSTSTAYMELSLRSEDPAVYVCARRND 120
Db 61 GGGLEMMGEIDPSDSTYNNQKFKGRVTTTDTSTSTAYMELSLRSEDPAVYVCARRND 120
QY 121 YSNMWYFDVWGEGLTVTVSSASTKGPSVFLPAPSSKSTSGGTALGCLVKDYFPEPTVS 180
Db 121 YSNMWYFDVWGEGLTVTVSSASTKGPSVFLPAPSSKSTSGGTALGCLVKDYFPEPTVS 180
QY 181 WNSGALTSGVHTFPAYLQSSGLYSLSVTVVPSSSLGTQTYI CNVNHKPSNTKVDKREVP 240
Db 181 WNSGALTSGVHTFPAYLQSSGLYSLSVTVVPSSSLGTQTYI CNVNHKPSNTKVDKREVP 240
QY 241 KSCDKHTTCCPCPAPBELLGGPSVFLPFPKPKDTLMSRTPEVTCVVDVSHEDPEVKFNW 300
Db 241 KSCDKHTTCCPCPAPBELLGGPSVFLPFPKPKDTLMSRTPEVTCVVDVSHEDPEVKFNW 300
QY 301 YVDGVEVHNAAKTPREBQNSTYRVVSVLTVLHODMLNGKEYCKVSNKALPAPIEKTIS 360
Db 301 YVDGVEVHNAAKTPREBQNSTYRVVSVLTVLHODMLNGKEYCKVSNKALPAPIEKTIS 360

Db 301 YVDGVEVHNAAKTPREBOYNSTRVVSVLTVLHODWLNKGEYKCKVSNKALPAPIEKTIS 360
Qy 361 KAKGQPREPOVYTLPPSRREMTKNQVSLCLVKGFYPSDIAVEWESNGQPENNYKTTPPV 420
Db 361 KAKGQPREPOVYTLPPSRREMTKNQVSLCLVKGFYPSDIAVEWESNGQPENNYKTTPPV 420
Qy 421 LDDSGSFFLYSKLTVDKSRMWOOGANVSCVMHEALHNHYTOKSLISLSPGK 470
Db 421 LDDSGSFFLYSKLTVDKSRMWOOGANVSCVMHEALHNHYTOKSLISLSPGK 470

RESULT 4
US-10-384-933-147
; Sequence 147, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT FILING DATE: US/10/384,933
; PRIOR FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 147
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-147

Query Match 99.2%; Score 2498; DB 12; Length 470;
Best Local Similarity 98.9%; Pred. No. 2.2e-164;
Matches 465; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 1 MGSCTILFLVATATGHSQVQLVQSGAEVKKPGASVKYSCKASGTFSTSYMOMVQWQAP 60
Db 1 MGSCTILFLVATATGHSQVQLVQSGAEVKKPGASVKYSCKASGTFSTSYMOMVQWQAP 60
Qy 61 GQGLEMGESIDPSDSYTNYNQKFKGRVITTRDTSSTAYAMELSLSRSEDPAVYYCARND 120
Db 61 GQGLEMGESIDPSDSYTNYNQKFKGRVITTRDTSSTAYAMELSLSRSEDPAVYYCARND 120
Qy 121 YSNNNYFDVWGEGTLVTVSSASTKGPVFPPLAPSSKSTSGGTALGCLVQDYFPEPVTVS 180
Db 121 YSNNNYFDVWGEGTLVTVSSASTKGPVFPPLAPSSKSTSGGTALGCLVQDYFPEPVTVS 180
Qy 121 YSNNNYFDVWGEGTLVTVSSASTKGPVFPPLAPSSKSTSGGTALGCLVQDYFPEPVTVS 180
Db 121 YSNNNYFDVWGEGTLVTVSSASTKGPVFPPLAPSSKSTSGGTALGCLVQDYFPEPVTVS 180
Qy 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSTLGTQYICNVNKKPSNTKYDKRVER 240
Db 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSTLGTQYICNVNKKPSNTKYDKRVER 240
Qy 241 KSCDKHTHTCPCPAPPELLGSPSVFLPPPKKDTLMISRTPEVTCVAVDVSHEDPEVKFNW 300
Db 241 KSCDKHTHTCPCPAPPELLGSPSVFLPPPKKDTLMISRTPEVTCVAVDVSHEDPEVKFNW 300
Qy 301 YVDGVEVHNAAKTPREBOYNSTRVVSVLTVLHODWLNKGEYKCKVSNKALPAPIEKTIS 360
Db 301 YVDGVEVHNAAKTPREBOYNSTRVVSVLTVLHODWLNKGEYKCKVSNKALPAPIEKTIS 360
Qy 361 KAKGQPREPOVYTLPPSRREMTKNQVSLCLVKGFYPSDIAVEWESNGQPENNYKTTPPV 420
Db 361 KAKGQPREPOVYTLPPSRREMTKNQVSLCLVKGFYPSDIAVEWESNGQPENNYKTTPPV 420
Qy 421 LDDSGSFFLYSKLTVDKSRMWOOGANVSCVMHEALHNHYTOKSLISLSPGK 470
Db 421 LDDSGSFFLYSKLTVDKSRMWOOGANVSCVMHEALHNHYTOKSLISLSPGK 470

Db 421 LDDSGSFFLYSKLTVDKSRMWOOGANVSCVMHEALHNHYTOKSLISLSPGK 470

RESULT 5
US-10-216-484-117
; Sequence 117, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT FILING DATE: US/10/216,484
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 117
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-117

Query Match 99.2%; Score 2498; DB 15; Length 470;
Best Local Similarity 98.9%; Pred. No. 2.2e-164;
Matches 465; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 1 MGSCTILFLVATATGHSQVQLVQSGAEVKKPGASVKYSCKASGTFSTSYMOMVQWQAP 60
Db 1 MGSCTILFLVATATGHSQVQLVQSGAEVKKPGASVKYSCKASGTFSTSYMOMVQWQAP 60
Qy 61 GQGLEMGESIDPSDSYTNYNQKFKGRVITTRDTSSTAYAMELSLSRSEDPAVYYCARND 120
Db 61 GQGLEMGESIDPSDSYTNYNQKFKGRVITTRDTSSTAYAMELSLSRSEDPAVYYCARND 120
Qy 121 YSNNNYFDVWGEGTLVTVSSASTKGPVFPPLAPSSKSTSGGTALGCLVQDYFPEPVTVS 180
Db 121 YSNNNYFDVWGEGTLVTVSSASTKGPVFPPLAPSSKSTSGGTALGCLVQDYFPEPVTVS 180
Qy 121 YSNNNYFDVWGEGTLVTVSSASTKGPVFPPLAPSSKSTSGGTALGCLVQDYFPEPVTVS 180
Db 121 YSNNNYFDVWGEGTLVTVSSASTKGPVFPPLAPSSKSTSGGTALGCLVQDYFPEPVTVS 180
Qy 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSTLGTQYICNVNKKPSNTKYDKRVER 240
Db 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSTLGTQYICNVNKKPSNTKYDKRVER 240
Qy 241 KSCDKHTHTCPCPAPPELLGSPSVFLPPPKKDTLMISRTPEVTCVAVDVSHEDPEVKFNW 300
Db 241 KSCDKHTHTCPCPAPPELLGSPSVFLPPPKKDTLMISRTPEVTCVAVDVSHEDPEVKFNW 300
Qy 301 YVDGVEVHNAAKTPREBOYNSTRVVSVLTVLHODWLNKGEYKCKVSNKALPAPIEKTIS 360
Db 301 YVDGVEVHNAAKTPREBOYNSTRVVSVLTVLHODWLNKGEYKCKVSNKALPAPIEKTIS 360
Qy 361 KAKGQPREPOVYTLPPSRREMTKNQVSLCLVKGFYPSDIAVEWESNGQPENNYKTTPPV 420
Db 361 KAKGQPREPOVYTLPPSRREMTKNQVSLCLVKGFYPSDIAVEWESNGQPENNYKTTPPV 420
Qy 421 LDDSGSFFLYSKLTVDKSRMWOOGANVSCVMHEALHNHYTOKSLISLSPGK 470
Db 421 LDDSGSFFLYSKLTVDKSRMWOOGANVSCVMHEALHNHYTOKSLISLSPGK 470

RESULT 6
US-10-216-484-147
; Sequence 147, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:

```

; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 147
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-147

Query Match          99.2%; Score 2498; DB 15; Length 470;
Best Local Similarity 98.9%; Pred. No. 2,2e-164;
Matches 465; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGWSCIILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVRAP 60
DB 1 MGWSCIILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVRAP 60
QY 61 GQGLEMMGEIDPSDSYTYNOKFKGKAVITTRDTSTAYMELSSLRSEDTAVYYCARND 120
DB 61 GQGLEMMGEIDPSDSYTYNOKFKGKAVITTRDTSTAYMELSSLRSEDTAVYYCARND 120
QY 61 GQGLEMMGEIDPSDSYTYNOKFKGKAVITTRDTSTAYMELSSLRSEDTAVYYCARND 120
DB 61 GQGLEMMGEIDPSDSYTYNOKFKGKAVITTRDTSTAYMELSSLRSEDTAVYYCARND 120
QY 121 YSNMNYFDWVGEGTLVTVSSASTKGPSVFPLAPSSKSTSGGTAALGLVQDYFPEPTVS 180
DB 121 YSNMNYFDWVGEGTLVTVSSASTKGPSVFPLAPSSKSTSGGTAALGLVQDYFPEPTVS 180
QY 121 YSNMNYFDWVGEGTLVTVSSASTKGPSVFPLAPSSKSTSGGTAALGLVQDYFPEPTVS 180
DB 121 YSNMNYFDWVGEGTLVTVSSASTKGPSVFPLAPSSKSTSGGTAALGLVQDYFPEPTVS 180
QY 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVTPSSSLGTQTYICNVNHRKPSNTKVDKVEP 240
DB 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVTPSSSLGTQTYICNVNHRKPSNTKVDKVEP 240
QY 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVTPSSSLGTQTYICNVNHRKPSNTKVDKVEP 240
DB 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVTPSSSLGTQTYICNVNHRKPSNTKVDKVEP 240
QY 241 KSCDKHTHTCPCPAPPELLGGSVFLFPPPKKDTLMISRTPEVTCVVDVSHEDPEVKFM 300
DB 241 KSCDKHTHTCPCPAPPELLGGSVFLFPPPKKDTLMISRTPEVTCVVDVSHEDPEVKFM 300
QY 241 KSCDKHTHTCPCPAPPELLGGSVFLFPPPKKDTLMISRTPEVTCVVDVSHEDPEVKFM 300
DB 241 KSCDKHTHTCPCPAPPELLGGSVFLFPPPKKDTLMISRTPEVTCVVDVSHEDPEVKFM 300
QY 301 YVDGVEVNAKTKPREEOYNSTYRVSVLT/LVHQM/LNGKEYCKVSNKALPAPIEKTIS 360
DB 301 YVDGVEVNAKTKPREEOYNSTYRVSVLT/LVHQM/LNGKEYCKVSNKALPAPIEKTIS 360
QY 301 YVDGVEVNAKTKPREEOYNSTYRVSVLT/LVHQM/LNGKEYCKVSNKALPAPIEKTIS 360
DB 301 YVDGVEVNAKTKPREEOYNSTYRVSVLT/LVHQM/LNGKEYCKVSNKALPAPIEKTIS 360
QY 361 KAKGQPREPQVYTLTPSRSEMTKNQVSLTCLVKGFPSPDIAYVESNGQPENNYKTTTPV 420
DB 361 KAKGQPREPQVYTLTPSRSEMTKNQVSLTCLVKGFPSPDIAYVESNGQPENNYKTTTPV 420
QY 421 LDSDGSFFLYSKLTVDKSRMQGNVFCSVMEHALHNHYTQKSLSPGK 470
DB 421 LDSDGSFFLYSKLTVDKSRMQGNVFCSVMEHALHNHYTQKSLSPGK 470

RESULT 7
US-10-384-933-145
; Sequence 145, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933

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; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 145
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-145

Query Match          99.2%; Score 2497; DB 12; Length 470;
Best Local Similarity 98.9%; Pred. No. 2,6e-164;
Matches 465; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGWSCIILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVRAP 60
DB 1 MGWSCIILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVRAP 60
QY 61 GQGLEMMGEIDPSDSYTYNOKFKGKAVITTRDTSTAYMELSSLRSEDTAVYYCARND 120
DB 61 GQGLEMMGEIDPSDSYTYNOKFKGKAVITTRDTSTAYMELSSLRSEDTAVYYCARND 120
QY 61 GQGLEMMGEIDPSDSYTYNOKFKGKAVITTRDTSTAYMELSSLRSEDTAVYYCARND 120
DB 61 GQGLEMMGEIDPSDSYTYNOKFKGKAVITTRDTSTAYMELSSLRSEDTAVYYCARND 120
QY 121 YSNMNYFDWVGEGTLVTVSSASTKGPSVFPLAPSSKSTSGGTAALGLVQDYFPEPTVS 180
DB 121 YSNMNYFDWVGEGTLVTVSSASTKGPSVFPLAPSSKSTSGGTAALGLVQDYFPEPTVS 180
QY 121 YSNMNYFDWVGEGTLVTVSSASTKGPSVFPLAPSSKSTSGGTAALGLVQDYFPEPTVS 180
DB 121 YSNMNYFDWVGEGTLVTVSSASTKGPSVFPLAPSSKSTSGGTAALGLVQDYFPEPTVS 180
QY 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVTPSSSLGTQTYICNVNHRKPSNTKVDKVEP 240
DB 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVTPSSSLGTQTYICNVNHRKPSNTKVDKVEP 240
QY 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVTPSSSLGTQTYICNVNHRKPSNTKVDKVEP 240
DB 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVTPSSSLGTQTYICNVNHRKPSNTKVDKVEP 240
QY 241 KSCDKHTHTCPCPAPPELLGGSVFLFPPPKKDTLMISRTPEVTCVVDVSHEDPEVKFM 300
DB 241 KSCDKHTHTCPCPAPPELLGGSVFLFPPPKKDTLMISRTPEVTCVVDVSHEDPEVKFM 300
QY 241 KSCDKHTHTCPCPAPPELLGGSVFLFPPPKKDTLMISRTPEVTCVVDVSHEDPEVKFM 300
DB 241 KSCDKHTHTCPCPAPPELLGGSVFLFPPPKKDTLMISRTPEVTCVVDVSHEDPEVKFM 300
QY 301 YVDGVEVNAKTKPREEOYNSTYRVSVLT/LVHQM/LNGKEYCKVSNKALPAPIEKTIS 360
DB 301 YVDGVEVNAKTKPREEOYNSTYRVSVLT/LVHQM/LNGKEYCKVSNKALPAPIEKTIS 360
QY 301 YVDGVEVNAKTKPREEOYNSTYRVSVLT/LVHQM/LNGKEYCKVSNKALPAPIEKTIS 360
DB 301 YVDGVEVNAKTKPREEOYNSTYRVSVLT/LVHQM/LNGKEYCKVSNKALPAPIEKTIS 360
QY 361 KAKGQPREPQVYTLTPSRSEMTKNQVSLTCLVKGFPSPDIAYVESNGQPENNYKTTTPV 420
DB 361 KAKGQPREPQVYTLTPSRSEMTKNQVSLTCLVKGFPSPDIAYVESNGQPENNYKTTTPV 420
QY 421 LDSDGSFFLYSKLTVDKSRMQGNVFCSVMEHALHNHYTQKSLSPGK 470
DB 421 LDSDGSFFLYSKLTVDKSRMQGNVFCSVMEHALHNHYTQKSLSPGK 470

RESULT 8
US-10-216-484-145
; Sequence 145, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 145
; LENGTH: 470

```

TYPE: PRT
ORGANISM: Artificial Sequence
FEATURES:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-145

Query Match 99.2%; Score 2497; DB 15; Length 470;
Best Local Similarity 98.9%; Pred. No. 2,6e-164;
Matches 465; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGWSCIILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGTTFTSYMMQWVQAP 60
DB 1 MGWSCIILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGTTFTSYMMQWVQAP 60
QY 61 GQGLEMMGEIDPDSYTYNNQKFKGRVITTRDTSTSTAYAMELSLSRSEDTAVYYCARND 120
DB 61 GQGLEMMGEIDPDSYTYNNQKFKGRVITTRDTSTSTAYAMELSLSRSEDTAVYYCARND 120
QY 121 YSNMNYFDVWBGEGTLVTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPTVS 180
DB 121 YSNMNYFDVWBGEGTLVTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPTVS 180
QY 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVPPSSSLGTQTYICNVNHKPSNTKVDKRVEP 240
DB 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVPPSSSLGTQTYICNVNHKPSNTKVDKRVEP 240
QY 241 KSCDKHTHCPCPAPPELLGGPSVFLFPPPKDITLMISTRPEYTCVVDVSHEDPEVKFNW 300
DB 241 KSCDKHTHCPCPAPPELLGGPSVFLFPPPKDITLMISTRPEYTCVVDVSHEDPEVKFNW 300
QY 301 YVDGVEVNAKTKPREBOYNSTYRVVSVLTVLDHQMILINGEKYCKVSNKALPAPIEKTIS 360
DB 301 YVDGVEVNAKTKPREBOYNSTYRVVSVLTVLDHQMILINGEKYCKVSNKALPAPIEKTIS 360
QY 361 KAKGQPREPQVYTLPPSRREMTKNQVSLTCLVKGFPYPSDIAVWESNGQPENNYKTTIPV 420
DB 361 KAKGQPREPQVYTLPPSRREMTKNQVSLTCLVKGFPYPSDIAVWESNGQPENNYKTTIPV 420
QY 421 LDSGSPFLYSKLTVDKSRMQQGNVSCSVMEBALHNHYTQKSLSPGK 470
DB 421 LDSGSPFLYSKLTVDKSRMQQGNVSCSVMEBALHNHYTQKSLSPGK 470

RESULT 9

US-10-384-933-143
Sequence 143, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 143
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURES:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-143

Query Match 99.1%; Score 2495; DB 12; Length 470;

Best Local Similarity 98.7%; Pred. No. 3.5e-164;
Matches 464; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGWSCIILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGTTFTSYMMQWVQAP 60
DB 1 MGWSCIILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGTTFTSYMMQWVQAP 60
QY 61 GQGLEMMGEIDPDSYTYNNQKFKGRVITTRDTSTSTAYAMELSLSRSEDTAVYYCARND 120
DB 61 GQGLEMMGEIDPDSYTYNNQKFKGRVITTRDTSTSTAYAMELSLSRSEDTAVYYCARND 120
QY 121 YSNMNYFDVWBGEGTLVTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPTVS 180
DB 121 YSNMNYFDVWBGEGTLVTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPTVS 180
QY 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVPPSSSLGTQTYICNVNHKPSNTKVDKRVEP 240
DB 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVPPSSSLGTQTYICNVNHKPSNTKVDKRVEP 240
QY 241 KSCDKHTHCPCPAPPELLGGPSVFLFPPPKDITLMISTRPEYTCVVDVSHEDPEVKFNW 300
DB 241 KSCDKHTHCPCPAPPELLGGPSVFLFPPPKDITLMISTRPEYTCVVDVSHEDPEVKFNW 300
QY 301 YVDGVEVNAKTKPREBOYNSTYRVVSVLTVLDHQMILINGEKYCKVSNKALPAPIEKTIS 360
DB 301 YVDGVEVNAKTKPREBOYNSTYRVVSVLTVLDHQMILINGEKYCKVSNKALPAPIEKTIS 360
QY 361 KAKGQPREPQVYTLPPSRREMTKNQVSLTCLVKGFPYPSDIAVWESNGQPENNYKTTIPV 420
DB 361 KAKGQPREPQVYTLPPSRREMTKNQVSLTCLVKGFPYPSDIAVWESNGQPENNYKTTIPV 420
QY 421 LDSGSPFLYSKLTVDKSRMQQGNVSCSVMEBALHNHYTQKSLSPGK 470
DB 421 LDSGSPFLYSKLTVDKSRMQQGNVSCSVMEBALHNHYTQKSLSPGK 470

RESULT 10

US-10-216-484-143
Sequence 143, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 143
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURES:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-143

Query Match 99.1%; Score 2495; DB 15; Length 470;
Best Local Similarity 98.7%; Pred. No. 3.5e-164;
Matches 464; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGWSCIILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGTTFTSYMMQWVQAP 60
DB 1 MGWSCIILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGTTFTSYMMQWVQAP 60
QY 61 GQGLEMMGEIDPDSYTYNNQKFKGRVITTRDTSTSTAYAMELSLSRSEDTAVYYCARND 120

```
Db 61 GGGLEMMGEIDPSSTYNNOKFKGKATLTVDTSSTAYMELSLRSEDTAVYYCARNRD 120
Qy 121 YSNMWFYDWGEGTLVTVSSASTKGPVFPPLAPSSKSTSGGTAALGCLVKDYFPEPTVYS 180
Db 121 YSNMWFYDWGEGTLVTVSSASTKGPVFPPLAPSSKSTSGGTAALGCLVKDYFPEPTVYS 180
Qy 181 MNSGALTSGVHTFPAVLQSSGLYSLSSVTVVPSSSLGTQTYICNVNHRKPSNTKVDKVERP 240
Db 181 MNSGALTSGVHTFPAVLQSSGLYSLSSVTVVPSSSLGTQTYICNVNHRKPSNTKVDKVERP 240
Qy 241 KSCDKHTHCPCPAPRLGSPVFLFPPPKDPTLMSRTPETVCVVVDVSHEDPEVKFNW 300
Db 241 KSCDKHTHCPCPAPRLGSPVFLFPPPKDPTLMSRTPETVCVVVDVSHEDPEVKFNW 300
Qy 301 YVDGVEVHNAAKTKPREEOYNSTYRVVSVLTVLIHQDLNGKEYCKVSNKALPAPIEKTIS 360
Db 301 YVDGVEVHNAAKTKPREEOYNSTYRVVSVLTVLIHQDLNGKEYCKVSNKALPAPIEKTIS 360
Qy 361 KAKGQPREPQVYTLPPSRHEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPPV 420
Db 361 KAKGQPREPQVYTLPPSRHEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPPV 420
Qy 421 LDDSGSEFLYSKLTVDKSRMQQGNVSCVMHEALHNYTKSLSPGK 470
Db 421 LDDSGSEFLYSKLTVDKSRMQQGNVSCVMHEALHNYTKSLSPGK 470
```

RESULT 11

```
US-10-384-933-89
; Sequence 89, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; PRIOR FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 89
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-89
```

Query Match 98.7%; Score 2485; DB 12; Length 470;

Best Local Similarity 98.5%; Pred. No. 1.7e-163;

Matches 463; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

```
Qy 1 MMSWCIILFLVATATGVSQVQLVQSGAEVKKPGASVKVSCKASGTTFTSYMMQWRQAP 60
Db 1 MMSWCIILFLVATATGVSQVQLVQSGAEVKKPGASVKVSCKASGTTFTSYMMQWRQAP 60
Qy 61 GGGLEMMGEIDPSSTYNNOKFKGKATLTVDTSSTAYMELSLRSEDTAVYYCARNRD 120
Db 61 GGGLEMMGEIDPSSTYNNOKFKGKATLTVDTSSTAYMELSLRSEDTAVYYCARNRD 120
Qy 121 YSNMWFYDWGEGTLVTVSSASTKGPVFPPLAPSSKSTSGGTAALGCLVKDYFPEPTVYS 180
Db 121 YSNMWFYDWGEGTLVTVSSASTKGPVFPPLAPSSKSTSGGTAALGCLVKDYFPEPTVYS 180
Qy 181 MNSGALTSGVHTFPAVLQSSGLYSLSSVTVVPSSSLGTQTYICNVNHRKPSNTKVDKVERP 240
```

```
Db 181 MNSGALTSGVHTFPAVLQSSGLYSLSSVTVVPSSSLGTQTYICNVNHRKPSNTKVDKVERP 240
Qy 241 KSCDKHTHCPCPAPRLGSPVFLFPPPKDPTLMSRTPETVCVVVDVSHEDPEVKFNW 300
Db 241 KSCDKHTHCPCPAPRLGSPVFLFPPPKDPTLMSRTPETVCVVVDVSHEDPEVKFNW 300
Qy 301 YVDGVEVHNAAKTKPREEOYNSTYRVVSVLTVLIHQDLNGKEYCKVSNKALPAPIEKTIS 360
Db 301 YVDGVEVHNAAKTKPREEOYNSTYRVVSVLTVLIHQDLNGKEYCKVSNKALPAPIEKTIS 360
Qy 361 KAKGQPREPQVYTLPPSRHEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPPV 420
Db 361 KAKGQPREPQVYTLPPSRHEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPPV 420
Qy 421 LDDSGSEFLYSKLTVDKSRMQQGNVSCVMHEALHNYTKSLSPGK 470
Db 421 LDDSGSEFLYSKLTVDKSRMQQGNVSCVMHEALHNYTKSLSPGK 470
```

RESULT 12

```
US-10-216-484-89
; Sequence 89, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 89
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-89
```

Query Match 98.7%; Score 2485; DB 15; Length 470;

Best Local Similarity 98.5%; Pred. No. 1.7e-163;

Matches 463; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

```
Qy 1 MMSWCIILFLVATATGVSQVQLVQSGAEVKKPGASVKVSCKASGTTFTSYMMQWRQAP 60
Db 1 MMSWCIILFLVATATGVSQVQLVQSGAEVKKPGASVKVSCKASGTTFTSYMMQWRQAP 60
Qy 61 GGGLEMMGEIDPSSTYNNOKFKGKATLTVDTSSTAYMELSLRSEDTAVYYCARNRD 120
Db 61 GGGLEMMGEIDPSSTYNNOKFKGKATLTVDTSSTAYMELSLRSEDTAVYYCARNRD 120
Qy 121 YSNMWFYDWGEGTLVTVSSASTKGPVFPPLAPSSKSTSGGTAALGCLVKDYFPEPTVYS 180
Db 121 YSNMWFYDWGEGTLVTVSSASTKGPVFPPLAPSSKSTSGGTAALGCLVKDYFPEPTVYS 180
Qy 181 MNSGALTSGVHTFPAVLQSSGLYSLSSVTVVPSSSLGTQTYICNVNHRKPSNTKVDKVERP 240
Db 181 MNSGALTSGVHTFPAVLQSSGLYSLSSVTVVPSSSLGTQTYICNVNHRKPSNTKVDKVERP 240
Qy 241 KSCDKHTHCPCPAPRLGSPVFLFPPPKDPTLMSRTPETVCVVVDVSHEDPEVKFNW 300
Db 241 KSCDKHTHCPCPAPRLGSPVFLFPPPKDPTLMSRTPETVCVVVDVSHEDPEVKFNW 300
Qy 301 YVDGVEVHNAAKTKPREEOYNSTYRVVSVLTVLIHQDLNGKEYCKVSNKALPAPIEKTIS 360
```

Db 301 YVDGVEVHNAKTKPREQYNSTYRVSVLTVLHODMLNGKEKCKVSNKALPAPIEKTIS 360
Qy 361 KAKGQPREPOVYTLTPPSREEMTKNOVSLTCLVKGYPSPDIAVEMESNGQPENNYKTTTPV 420
Db 361 KAKGQPREPOVYTLTPPSREEMTKNOVSLTCLVKGYPSPDIAVEMESNGQPENNYKTTTPV 420
Qy 421 LDDSGSFPLYSKLTVDKSRMOQGNVSCSVMEALHNHYTOKSLISLSPGK 470
Db 421 LDDSGSFPLYSKLTVDKSRMOQGNVSCSVMEALHNHYTOKSLISLSPGK 470

RESULT 13

US-09-825-012-46
; Sequence 46, Application US/09825012
; Patent No. US20020122798A1
; GENERAL INFORMATION:
; APPLICANT: Young, Robert
; TITLE OF INVENTION: Compounds for Targeting
; FILE REFERENCE: 43191-256808
; CURRENT APPLICATION NUMBER: US/09/825,012
; CURRENT FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: US 60/237,159
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: GB 0008049.9
; PRIOR FILING DATE: 2000-04-03
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 46
; LENGTH: 731
; TYPE: PR
; ORGANISM: Artificial Sequence
; OTHER INFORMATION: Humanised HMFg1 heavy chain - DNase I fusion
US-09-825-012-46

Query Match 93.9%; Score 2363.5; DB 10; Length 721;
Best Local Similarity 93.6%; Pred. No. 7e-155;
Matches 440; Conservative 19; Mismatches 8; Indels 3; Gaps 1;

Qy 1 MGSNCILFLVATATGVHSQVQLVQSGAEVKKRQGSVKVSCASGYTFTSYMMQWVQAP 60
Db 1 MGSNCILFLVATATGVHSQVQLVQSGAEVKKRQGSVKVSCASGYTFTSYMMQWVQAP 60
Qy 61 GQGLEWNGEIDPSSTYNNQKRGVYITRDISTAYAMELSLRSEDTAVYYCARND 120
Db 61 GQGLEWNGEIDPSSTYNNQKRGVYITRDISTAYAMELSLRSEDTAVYYCARND 120
Qy 121 YSNMWFYDWMGEGTLVTVSSASTKGPSVPLAPSSKSTSGGTAALGCLVQDYFPEPTVS 180
Db 121 YSNMWFYDWMGEGTLVTVSSASTKGPSVPLAPSSKSTSGGTAALGCLVQDYFPEPTVS 180
Qy 121 YSNMWFYDWMGEGTLVTVSSASTKGPSVPLAPSSKSTSGGTAALGCLVQDYFPEPTVS 180
Db 121 YSNMWFYDWMGEGTLVTVSSASTKGPSVPLAPSSKSTSGGTAALGCLVQDYFPEPTVS 180
Qy 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVTPSSSLGTQTYICNVNHPKSNKLVKRV 240
Db 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVTPSSSLGTQTYICNVNHPKSNKLVKRV 240
Qy 178 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVTPSSSLGTQTYICNVNHPKSNKLVKRV 237
Db 178 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVTPSSSLGTQTYICNVNHPKSNKLVKRV 237
Qy 241 KSCDKHTHTCPCPAPRLIGPSVFLPPPKKDTLMISTRPEVTCVVDVSHEDPEYKFNW 300
Db 241 KSCDKHTHTCPCPAPRLIGPSVFLPPPKKDTLMISTRPEVTCVVDVSHEDPEYKFNW 300
Qy 238 KSCDKHTHTCPCPAPRLIGPSVFLPPPKKDTLMISTRPEVTCVVDVSHEDPEYKFNW 297
Db 238 KSCDKHTHTCPCPAPRLIGPSVFLPPPKKDTLMISTRPEVTCVVDVSHEDPEYKFNW 297
Qy 301 YVDGVEVHNAKTKPREQYNSTYRVSVLTVLHODMLNGKEKCKVSNKALPAPIEKTIS 360
Db 301 YVDGVEVHNAKTKPREQYNSTYRVSVLTVLHODMLNGKEKCKVSNKALPAPIEKTIS 360
Qy 298 YVDGVEVHNAKTKPREQYNSTYRVSVLTVLHODMLNGKEKCKVSNKALPAPIEKTIS 357
Db 298 YVDGVEVHNAKTKPREQYNSTYRVSVLTVLHODMLNGKEKCKVSNKALPAPIEKTIS 357
Qy 361 KAKGQPREPOVYTLTPPSREEMTKNOVSLTCLVKGYPSPDIAVEMESNGQPENNYKTTTPV 420
Db 361 KAKGQPREPOVYTLTPPSREEMTKNOVSLTCLVKGYPSPDIAVEMESNGQPENNYKTTTPV 420
Qy 421 LDDSGSFPLYSKLTVDKSRMOQGNVSCSVMEALHNHYTOKSLISLSPGK 470
Db 421 LDDSGSFPLYSKLTVDKSRMOQGNVSCSVMEALHNHYTOKSLISLSPGK 467

RESULT 14

US-09-825-012-55
; Sequence 55, Application US/09825012
; Patent No. US20020122798A1
; GENERAL INFORMATION:
; APPLICANT: Young, Robert
; TITLE OF INVENTION: Compounds for Targeting
; FILE REFERENCE: 43191-256808
; CURRENT APPLICATION NUMBER: US/09/825,012
; CURRENT FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: US 60/237,159
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: GB 0008049.9
; PRIOR FILING DATE: 2000-04-03
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 55
; LENGTH: 741
; TYPE: PR
; ORGANISM: Artificial Sequence
; OTHER INFORMATION: Humanised HMFg1 heavy chain - DNase I fusion
US-09-825-012-55

Query Match 93.9%; Score 2363.5; DB 10; Length 741;
Best Local Similarity 93.6%; Pred. No. 7.1e-155;
Matches 440; Conservative 19; Mismatches 8; Indels 3; Gaps 1;

Qy 1 MGSNCILFLVATATGVHSQVQLVQSGAEVKKRQGSVKVSCASGYTFTSYMMQWVQAP 60
Db 1 MGSNCILFLVATATGVHSQVQLVQSGAEVKKRQGSVKVSCASGYTFTSYMMQWVQAP 60
Qy 61 GQGLEWNGEIDPSSTYNNQKRGVYITRDISTAYAMELSLRSEDTAVYYCARND 120
Db 61 GQGLEWNGEIDPSSTYNNQKRGVYITRDISTAYAMELSLRSEDTAVYYCARND 120
Qy 121 YSNMWFYDWMGEGTLVTVSSASTKGPSVPLAPSSKSTSGGTAALGCLVQDYFPEPTVS 180
Db 121 YSNMWFYDWMGEGTLVTVSSASTKGPSVPLAPSSKSTSGGTAALGCLVQDYFPEPTVS 180
Qy 121 YSNMWFYDWMGEGTLVTVSSASTKGPSVPLAPSSKSTSGGTAALGCLVQDYFPEPTVS 180
Db 121 YSNMWFYDWMGEGTLVTVSSASTKGPSVPLAPSSKSTSGGTAALGCLVQDYFPEPTVS 180
Qy 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVTPSSSLGTQTYICNVNHPKSNKLVKRV 240
Db 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVTPSSSLGTQTYICNVNHPKSNKLVKRV 240
Qy 178 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVTPSSSLGTQTYICNVNHPKSNKLVKRV 237
Db 178 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVTPSSSLGTQTYICNVNHPKSNKLVKRV 237
Qy 241 KSCDKHTHTCPCPAPRLIGPSVFLPPPKKDTLMISTRPEVTCVVDVSHEDPEYKFNW 300
Db 241 KSCDKHTHTCPCPAPRLIGPSVFLPPPKKDTLMISTRPEVTCVVDVSHEDPEYKFNW 300
Qy 238 KSCDKHTHTCPCPAPRLIGPSVFLPPPKKDTLMISTRPEVTCVVDVSHEDPEYKFNW 297
Db 238 KSCDKHTHTCPCPAPRLIGPSVFLPPPKKDTLMISTRPEVTCVVDVSHEDPEYKFNW 297
Qy 301 YVDGVEVHNAKTKPREQYNSTYRVSVLTVLHODMLNGKEKCKVSNKALPAPIEKTIS 360
Db 301 YVDGVEVHNAKTKPREQYNSTYRVSVLTVLHODMLNGKEKCKVSNKALPAPIEKTIS 360
Qy 298 YVDGVEVHNAKTKPREQYNSTYRVSVLTVLHODMLNGKEKCKVSNKALPAPIEKTIS 357
Db 298 YVDGVEVHNAKTKPREQYNSTYRVSVLTVLHODMLNGKEKCKVSNKALPAPIEKTIS 357
Qy 361 KAKGQPREPOVYTLTPPSREEMTKNOVSLTCLVKGYPSPDIAVEMESNGQPENNYKTTTPV 420
Db 361 KAKGQPREPOVYTLTPPSREEMTKNOVSLTCLVKGYPSPDIAVEMESNGQPENNYKTTTPV 420
Qy 358 KAKGQPREPOVYTLTPPSREEMTKNOVSLTCLVKGYPSPDIAVEMESNGQPENNYKTTTPV 417
Db 358 KAKGQPREPOVYTLTPPSREEMTKNOVSLTCLVKGYPSPDIAVEMESNGQPENNYKTTTPV 417
Qy 421 LDDSGSFPLYSKLTVDKSRMOQGNVSCSVMEALHNHYTOKSLISLSPGK 470
Db 421 LDDSGSFPLYSKLTVDKSRMOQGNVSCSVMEALHNHYTOKSLISLSPGK 467

RESULT 15

US-09-825-012-52
; Sequence 52, Application US/09825012
; Patent No. US20020122798A1
; GENERAL INFORMATION:
; APPLICANT: Young, Robert
; TITLE OF INVENTION: Compounds for Targeting
; FILE REFERENCE: 43191-256808
; CURRENT APPLICATION NUMBER: US/09/825,012
; PRIOR FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: US 60/237,159

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; PRIOR APPLICATION NUMBER: GB 0008049.9
; PRIOR FILING DATE: 2000-04-03
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 52
; LENGTH: 729
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Humanised HMFg1 heavy chain - DNase I fusion
US-09-825-012-52

Query Match      93.7%; Score 2358.5; DB 10; Length 729;
Best Local Similarity 93.6%; Pred. No. 1.5e-154;
Matches 439; Conservative 19; Mismatches 8; Indels 3; Gaps 1;

QY 1 MGWSCIILFLVATATGCHQVQLVQSGAEVKKPKASVKKVSCKASGYTFTSYMMQMWRQAP 60
Db 1 MGWSCIILFLVATATGCHQVQLVQSGAEVKKPKASVKKVSCKASGYTFTSYMMQMWRQAP 60
QY 61 GQGLEWVGILPGSSNNSRINEKGRVITTRDTSTAVNELSLRSEDTAVYYCARND 120
Db 61 GQGLEWVGILPGSSNNSRINEKGRVITTRDTSTAVNELSLRSEDTAVYYCARND 120
QY 121 YSNMYFDVWGEGTLVTSSASTKGPSVFPPLAPSSKTSGGTAAAGCLVQDYFPEPTVS 180
Db 121 YSNMYFDVWGEGTLVTSSASTKGPSVFPPLAPSSKTSGGTAAAGCLVQDYFPEPTVS 180
QY 121 FA--WFAWVGQGLVTVSSASTKGPSVFPPLAPSSKTSGGTAAAGCLVQDYFPEPTVS 177
Db 121 FA--WFAWVGQGLVTVSSASTKGPSVFPPLAPSSKTSGGTAAAGCLVQDYFPEPTVS 177
QY 161 WNSGALTSGVHTFPAYLQSSGLYSLSVTVTPSSSLGTQYICVNHKPSNTKYDKRVER 240
Db 161 WNSGALTSGVHTFPAYLQSSGLYSLSVTVTPSSSLGTQYICVNHKPSNTKYDKRVER 240
QY 178 WNSGALTSGVHTFPAYLQSSGLYSLSVTVTPSSSLGTQYICVNHKPSNTKYDKRVER 237
Db 178 WNSGALTSGVHTFPAYLQSSGLYSLSVTVTPSSSLGTQYICVNHKPSNTKYDKRVER 237
QY 241 KSCDKHTCTPCPAPRLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNW 300
Db 241 KSCDKHTCTPCPAPRLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNW 300
QY 238 KSCDKHTCTPCPAPRLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNW 297
Db 238 KSCDKHTCTPCPAPRLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNW 297
QY 301 YVDGVEVHNAKTPREBQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTIS 360
Db 301 YVDGVEVHNAKTPREBQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTIS 360
QY 298 YVDGVEVHNAKTPREBQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTIS 357
Db 298 YVDGVEVHNAKTPREBQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTIS 357
QY 361 KAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFPYSDIAVEWESNGQPENNYKTTTPPV 420
Db 361 KAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFPYSDIAVEWESNGQPENNYKTTTPPV 420
QY 358 KAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFPYSDIAVEWESNGQPENNYKTTTPPV 417
Db 358 KAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFPYSDIAVEWESNGQPENNYKTTTPPV 417
QY 421 LQSDGSFPLYSKLTVDKSRMQQGVNFSQVMEHALLHNYTQKSLSLSPG 469
Db 421 LQSDGSFPLYSKLTVDKSRMQQGVNFSQVMEHALLHNYTQKSLSLSPG 469
QY 418 LQSDGSFPLYSKLTVDKSRMQQGVNFSQVMEHALLHNYTQKSLSLSPG 466
Db 418 LQSDGSFPLYSKLTVDKSRMQQGVNFSQVMEHALLHNYTQKSLSLSPG 466

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Search completed: February 20, 2004, 14:25:42
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